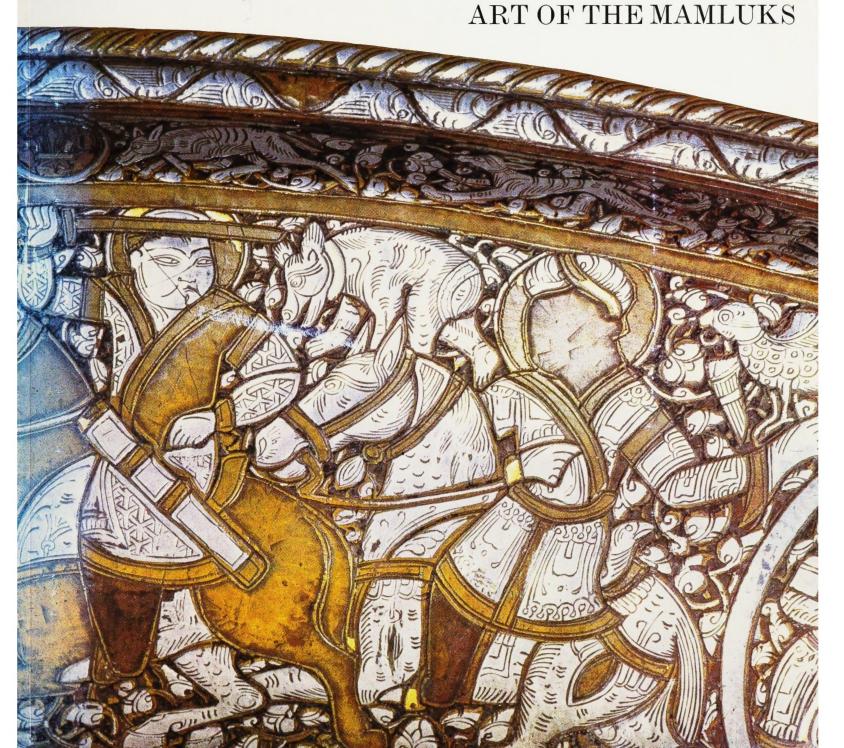
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RENAISSANCE OF ISLAM: ART OF THE MAMLUKS



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RENAISSANCE OF ISLAM
ART OF THE MAMLUKS

Esin Atıl

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FOREWORD

FOREWORD

Why is it that a society blossoms out in a bouquet of artistry at a given moment in time? Such a moment occurred when the Mamluk sultans, based in Cairo, ruled the East from the mountains of Turkey to the sands of Nubia, from the eastern shores of the Mediterranean to the Arabian Sea.

By Western reckoning, the period was that of the Middle Ages. For the world of Islam, the two hundred and fifty years of Mamluk rule marked a rebirth, a renaissance. Yet there were parallels between West and East in terms of human goals and achievements. As the workers, peasants, and merchants of medieval Europe thrust their Gothic spires toward heaven, the craftsmen of the Arab East gave expression to their faith and their societal concepts with achievements of architecture, religious manuscripts, metalwork, and glass, which form a legacy of opulence and beauty.

In a sense, the title of this book and the traveling exhibition that it recaptures is not entirely accurate. The Mamluks were not artists, far from it. They were professional soldiers, merchants if you will, the sultan's bodyguards, who themselves in time rose to be sultans and establish the Mamluk dynasty. Their origins were not in the great cities of the East—Cairo, Damascus, Baghdad—but in the far-off plains of central and western Asia.

Nor did they provide a perfect stability for the lands over which they reigned. Violence and turmoil were endemic in the East as in the West in the thirteenth, fourteenth, and fifteenth centuries. And the Mamluks in the main did not sit easily on their thrones.

And yet they were men of vision and practicality. They drove the Crusaders from the Levant and turned back the Mongols. They then proceeded to trade with both Europe and Asia. This trade together with the natural gifts of the region and skills of its people brought a fabled wealth.

Mamluk society found it natural to divert vast portions of its wealth to the support of artists and craftsmen. It was equally natural

for those artisans to reflect this generosity by devoting their creative efforts to the glorification of their benefactors. This interaction of patron and artist is hardly unique to the Mamluks; it has sustained art through the ages.

One must remember, though, that this exhibition and book deal not simply with a renaissance, but with a renaissance of Islam. From the time of the Prophet Muhammad until today, Islam has represented a way of life, an all-encompassing approach to life itself. The era's dedication to the philosophy and message of Islam is mirrored in its art, predominantly ordered, symmetrical, and geometric in conception and execution. It is possible to speculate that this overriding sense of order was in part a reaction to disorder—to the period's wars, palace rivalries, and cruelties.

Despite the disorder, the world of the Mamluks was a world of commerce. A rich dividend offered by this volume and exhibition is the evidence they provide of the extent to which the flow of trade across the world inspired an intermingling of images and artistic concepts.

Today, as five centuries ago, the world yearns for peace and unity. It is heartening then, to note that this treasure of Mamluk art was gathered together with the unstinting cooperation of the governments of Egypt and Syria and museums, national and private, on four continents, with the generous support of an American enterprise, the United Technologies Corporation, and with the dedicated help of the Smithsonian Institution Traveling Exhibition Service and a variety of other Smithsonian staff members and offices. It is through such joint efforts that the cultural accomplishments of the past can be harnessed to enrich the present.

S. Dillon Ripley Secretary, Smithsonian Institution



ACKNOWLEDGMENTS

This project was initially conceived as a survey of Mamluk art. As my research progressed, I became enchanted with the richness of the artistic traditions and wanted to share with a wider audience an appreciation of the technical excellence and aesthetic refinement of these remarkable objects, and thus the handbook became an exhibition catalogue. The enthusiasm and support of friends and colleagues encouraged me to undertake the organization of a traveling exhibition that would present the splendid art of the Mamluks to the American people. This project is the result of a joint effort by many individuals who have enabled me to bring the exhibit to realization by providing reference material and assisting in the selection of objects. I am grateful to the collections in Canada, Egypt, England, France, Ireland, Syria, and the United States for the loan of their precious objects as well as to the American museums for hosting the exhibition.

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Among the staff of the Freer Gallery of Art I would like to thank William T. Chase. Head Conservator, who photographed the remarkable peripheral views of the beakers from the Walters Art Gallery and who repaired the copper tray from the Embassy of the Arab Republic of Egypt: Lynda Zycherman, Conservator, who prepared the technical report on objects from Cairo as well as on other loans: Stanley E. Turek and James T. Hayden, who photographed several objects, including those from the Madina Collection and the Textile Museum: Harriet McWilliams, Assistant Registrar, who assisted in the typing of the final manuscript; and Darcy Curtiss, my invaluable secretary, who typed numerous drafts, made corrections, and spent hours on the Arabic transcriptions.

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Justin Andrew Schaffer spent many weeks photographing objects

in Cairo and Damascus. His photographs of the Mamluk monuments in Cairo are included in the exhibition and most of the color illustrations in the catalogue are the result of his work.

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Above all I am grateful to Harry Gray, Chairman of United Technologies Corporation. His company's generous and imaginative support made possible both this catalogue and the exhibition itself.

Esin Atıl Curator of Near Eastern Art Freer Gallery of Art

LENDERS TO THE EXHIBITION

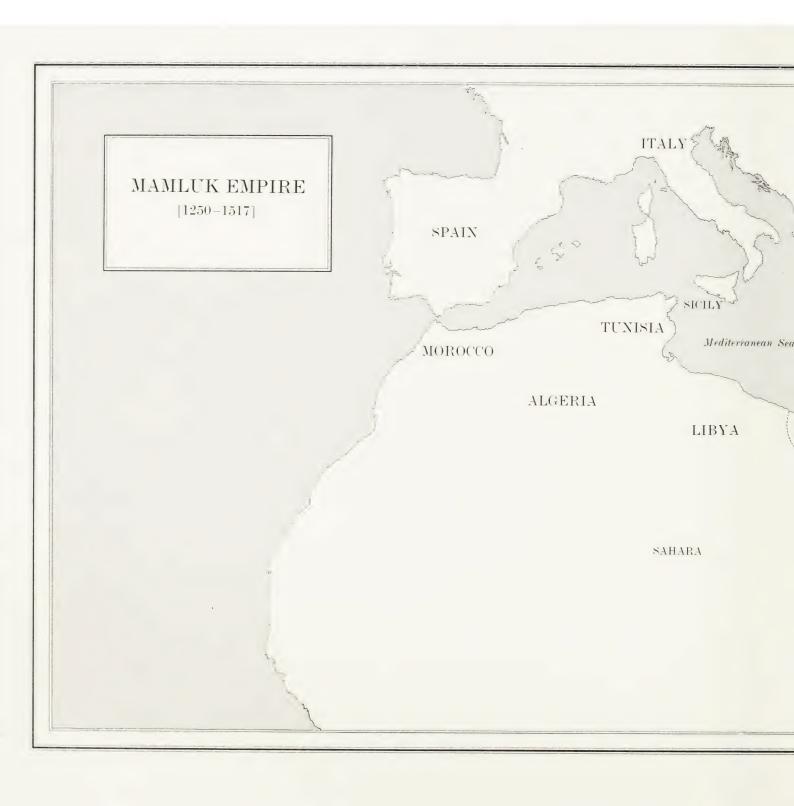
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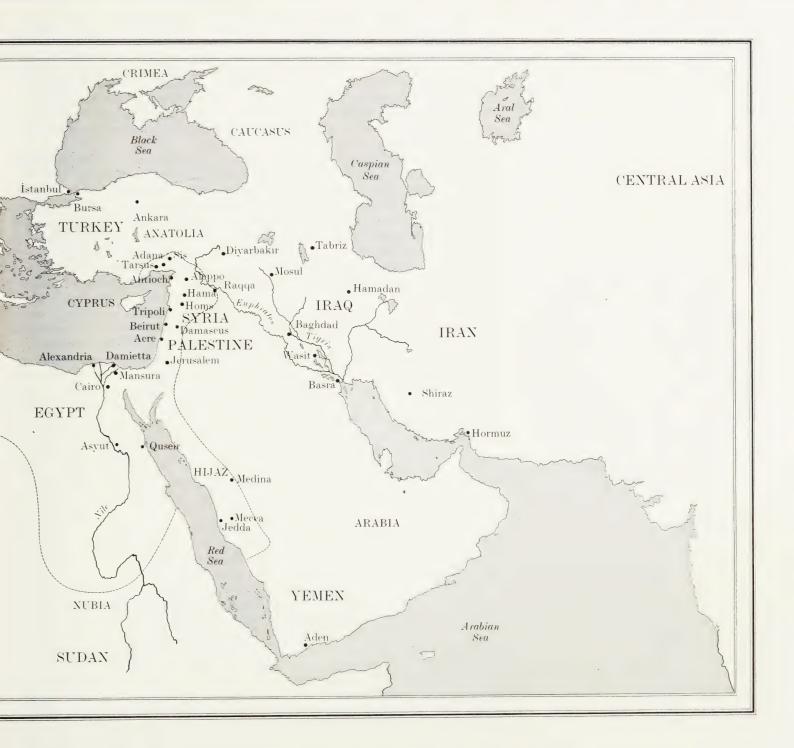
Washington, D.C., The Textile Museum



THE MAMLUK EMPIRE: HISTORY AND ADMINISTRATION









Following the collapse of the Ayyubid state in 1250, the Mamluk sultans established a formidable empire, ruling Egypt, Syria, and Palestine for more than two hundred and fifty years, their frontiers extending from southeastern Anatolia to the Hijaz and incorporating parts of Sudan and Libya. Soon after coming to power, they defeated the Mongols and expelled the last of the Crusaders from the Near East. Trade and agriculture flourished under Mamluk rule, and Cairo, their capital, became one of the wealthiest cities in the Near East and the center of artistic and intellectual activity. It also became the seat of the caliphate and, thus, the most prestigious capital in the Islamic world.

The word mamluk derives its meaning from the root of the verb "to own" in Arabic and refers to persons who were purchased, captured, or acquired as gifts or tribute. The mamluks were at first drawn exclusively from the Turkish tribes of Central Asia but later included other peoples from Western Asia. Carefully trained in all forms of warfare and horsemanship, they were employed as bodyguards of the sultans. Later, they were freed and assigned to specific offices that entitled them to have their own mamluks. Amirs or freed mamluks rose rapidly within the administration; they often usurped the throne, attempting to establish their own dynasties. In spite of the risks involved, the chivalry of the mamluks made them indispensable to the rulers, who could not rely upon the loyalty of their subjects and who feared the rivalry of their relatives.

The tradition of owning an elite corps of bodyguards can be traced to early Islamic history when the caliphs of Baghdad began to acquire mamluks. It continued under the Ayyubids; Sultan al-Salih Najm al-Din Ayyub (1240–49) stationed his mamluks in Cairo on the Island of Roda overlooking the Nile. This corps was known as al-Bahriyya al-Salihiyya, identified by the location of their barracks of their origin (bahri meaning the sea or those who came from across the sea) and the honorific title of their owner.

It was the leaders of this group who established in Egypt and Syria the first Mamluk empire, called the Bahri Mamluk or more correctly the Dawlat al-Turk, the Turkish State. The sultanate of the Bahri Mamluks was overthrown by the mamluks of Sultan Qalawun (1279–90), who had created a regiment of his own bodyguards and quartered them in towers in the Citadel of Cairo. This second period, called the Burji Mamluk (burj meaning tower), is referred to by Arab historians as the Dawlat al-Jarkas, the Circassian State, since most of the Burji sultans were originally from the Caucasus. The historical distinction between the two Mamluk empires, however, is arbitrary and there is no real, social, political, or administrative difference between the Bahri and Burji periods.

HISTORY

Bahri Period (1250–1390)

The formation of the Mamluk state reads like a medieval romance, full of violence and female intrigue. When Najm al-Din Ayyub died in November 1249, his wife Shajar al-Durr (Tree of Pearls) concealed the news of his death and ruled by herself for several months until his son and heir, Turan Shah, could arrive from Mosul where he had been serving as governor. Shajar al-Durr, a woman of intelligence and ambition, had formerly been in the harem of al-Mustasim, the Abbasid caliph of Baghdad, who sent her as a gift to Najm al-Din Ayyub.

The Ayyubid army, unaware of the sultan's death, won a remarkable victory over the Crusaders in February 1250, at the Battle of al-Mansura. Turan Shah, who finally arrived in Cairo and ascended the throne, was greatly disliked and was murdered within two months. His death ended Ayyubid rule in Egypt; the Bahri mamluks elected Shajar al-Durr as their new sultana and appointed an amir named Aybak as her commander-in-chief. Thus, the Mamluk state was born in May 1250, with a woman on the throne.

Al-Mustasim, however, was reluctant to bestow the diploma of investiture to a woman who had once belonged to him, and it was finally decided that Shajar al-Durr should marry the commander-in-chief, Aybak. She abdicated the throne in his favor after having reigned only eighty days. The Bahri mamluks, vehemently opposed to Aybak, supported a rival named Aktay who was murdered by the new sultan. Aktay's death forced many of his mamluk allies to escape to the courts of the last Ayyubid princes who still ruled in Syria. Although Aybak was able to withstand the mamluks' antagonism, he made the fatal mistake of offering to marry the daughter of the ruler of Mosul in 1257 and, thereby, incurred the wrath of Shajar al-Durr. The queen subsequently lured him to her chambers and murdered him in his bath. Shajar al-Durr herself met an equally treacherous end three days later at the hands of Aybak's vengeful concubines, who beat the queen to death with their clogs and threw her body from the walls of the palace.

The throne of the newly founded Mamluk state passed to Aybak's son, a fifteen-year-old youth named Ali who ruled until 1259, at which date he was deposed by an amir named Qutuz. Qutuz welcomed the exiled Bahri mamluks to Cairo and invited them to join forces against the Mongols who, having captured Baghdad and killed the caliph a year earlier, were now rapidly moving into Syria. Among those who returned to Cairo to take up their old positions were Baybars and Qalawun, both Kipchak Turks and former mamluks of Najm al-Din Ayyub.

The Bahri chapter of Mamluk history actually begins with Baybars (1260–77), who fought valiantly with Qutuz in September 1260 and helped devastate the Mongol forces at Ain Jalut near Nazareth. This glorious victory, which was the Mongols' first defeat, was sung by poets and celebrated throughout the Islamic world. A month later Qutuz was stabbed to death, and the Mamluk throne passed to Baybars, who was called al-Bunduqdari, the bowman, after his first official post. He took the additional titles al-Malik al-Zahir Rukn al-Din al-Salihi (officer of Salih, that is, Najm al-Din Ayyub). During his seventeen-year reign, Baybars consolidated the empire, unified the army, and formed the basis of a powerful state that endured until the second decade of the sixteenth century.

Baybars was the epitome of the chivalrous, energetic, and enlightened sultan. He moved back and forth throughout his empire with the speed of lightning, reconstructing fortresses, roads, bridges, and canals; inspecting the army and the navy; and checking the fiefs. He established a regular postal service between Egypt and Syria that had twice-weekly pickups and four-day delivery; even so, Baybars found this method of communication too slow and often relied on carrier pigeons.

In the area of foreign affairs the sultan established good relations with the Byzantine emperor Michael VIII Palaeologus and with Manfred of Sicily. These contacts placed him in a position to be well informed of any new developments on the part of the Crusaders. He also formed an alliance with Berke Khan, the head of the Golden Horde (the Kipchak Mongols of the Volga) and grandson of Genghis Khan, who had converted to Islam, becoming a sworn enemy of the still-pagan Ilkhanid Mongols of Iran. Baybars also developed a friendly rapport with the Seljuks of Anatolia whose lands were strategically placed next to the Mongol realm and the Christian kingdom of Cilicia.

The sultan's military activities are also noteworthy. He fought simultaneously in Anatolia and Nubia, conducting thirty-eight campaigns in Syria alone and personally leading half of them. Baybars disposed of the last of the Ayyubids in Syria, put an end to the feared sect of the Assasins, and continued to inflict severe defeats upon the Mongols. As amir, he had taken part in the Battle of al-Mansura against the Crusaders, and as sultan he continued to weaken their strength by taking almost all Crusader strongholds and ports from Caesarea to Antioch, sacking Sis, Adana, and Tarsus.

In addition to vanquishing the pagan Mongols and the infidel Crusaders, Baybars had the





foresight, and the political savvy, to welcome the last member of the Abbasid house of Baghdad, which had been destroyed by the Mongols in 1258. The reinstatement of the Abbasid caliph in Cairo not only enhanced the importance of Egypt, but also led to the Mamluks' suzerainty over the holy cities of Mecca and Medina in the Hijaz. Now the Mamluk empire was not only one of the strongest political entities in the Near East, but also the protector of Islam.

Although Baybars was primarily preoccupied with battles against foreign invaders and local insurgents, as well as the problem of consolidating his state, he found time to restore the major buildings in the empire and to construct new edifices. His most important structures are a mosque and madrasa in Cairo and a mausoleum in Damascus. His amirs also supported the arts and commissioned metal and glass objects (see nos. 10-12 and 46). The energetic patronage provided by the court enabled artists to formulate a "Mamluk" style of art and architecture that became fully established by the beginning of the fourteenth century.

A legend in his own time, Baybars died at the height of his career in June 1277 after drinking a cup of poisoned fermented mare's milk. He was succeeded by two of his sons, Baraka Khan (1277–79) and Salamish, a seven-year-old child whose reign lasted only four months.

The next sultan was Qalawun, who established a dynasty that ruled the Mamluk empire until 1390. Fourteen of his descendants, from sons to great-great-grandson, ruled consecutively with only three relatively brief interruptions. Qalawun had been a trusted friend of Baybars and was made Commander of One Thousand or amir-i alf, which was included in his titles, al-Malik al-Mansur Sayf al-Din Qalawun al-Alfi, together with al-Salihi, in homage to his first master, Sultan al-Salih Najm al-Din Ayyub. Qalawun followed the policies of Baybars, to whom he was related by his daughter's marriage to Baybars's son Baraka Khan; he had also served as the atabek or regent for Baybars's other son, Salamish.

Qalawun succeeded in protecting the empire against the continual attacks of the Mongols and defeated them in 1281 at Homs, forcing their withdraw from Syria. In 1285 his armies took the fortress of the Hospitalers at al-Marqab, compelling the Christian knights to retreat to Tripoli, which Qalawun also took four years later. The sultan died at the age of seventy in November 1290 as he was preparing for the seige of Acre, the last of the Crusader strongholds.

The Mamluk empire was now firmly established as the major power in the Near East, and the threat of the Mongols and Crusaders was permanently thwarted. Qalawun followed Baybars's foreign policy and established amiable diplomatic and trade relations with neighboring states. Trade flourished with merchants from China, India, and Yemen bringing valuable goods through Mamluk ports and leaving rich revenues to the state. Like Baybars, Qalawun renovated the fortifications of the Mamluk frontier towns and provided security for both residents and merchants. His complex in Cairo, comprising a mausoleum, madrasa, and hospital, was lavishly adorned with stucco, marble, and glass mosaics, symbolizing the wealth of the empire.

After Qalawun's death, his eldest son, Khalil, was appointed sultan and reigned for three years. Khalil's most important political activity was the seige of Acre begun by his father. This Christian stronghold fell in 1291 together with Tyre and Beirut. The sultan continued commercial and diplomatic relations with neighboring states and built a fleet to protect his Mediterranean coasts and monopolize the East–West trade route, which went either inland through Syria or across southern Arabia, the Red Sea, Alexandria, and Damietta before reaching Europe. Heir to the political stability, administrative efficiency, and flourishing commercial activity established under the first Mamluk sultans was Nasir al-Din Muhammad, Qalawun's younger son, who reigned for almost half a century.

Al-Malik al-Nasir Nasir al-Din Muhammad was eight years old when the mamluks chose him as their sultan after his stepbrother Khalil was assassinated in December 1293. He was deposed the following year by Amir Kitbugha, one of his father's former mamluks. In 1296 Kitbugha was

killed and replaced by another amir, Lajin, who met the same fate three years later. In February 1299 Nasir al-Din Muhammad, now fourteen years old, was reinstated on the Mamluk throne. The young sultan was able to rule for ten years before again being deposed. The new sultan, Baybars II, al-Jashnigir, was formerly the imperial taster. In 1303 he and Amir Salar won a victory against the Mongols in Syria. When Baybars II usurped the throne in 1309, he took the title al-Muzaffar Rukn al-Din and made Salar his viceroy. This arrangement lasted about a year and in 1310 Nasir al-Din Muhammad returned to the throne for the third time, had Baybars II and Salar killed, and ruled without interruption until his death in June 1341.

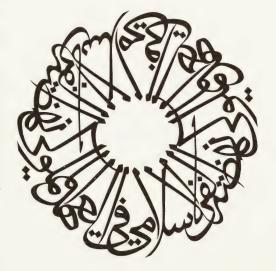
Although Nasir al-Din Muhammad's first two reigns were characterized by unrest and political turmoil, his third reign was renowned not only for its duration but also for its peace and prosperity. He became adept at settling affairs of state through diplomacy and friendly alliances with neighboring powers. In 1323 the sultan concluded a peace treaty with Abu Said, the first ruler of the Ilkhanids to be born a Muslim, thus ending the long feud with the Mongols that had been going on since the birth of the Mamluk empire. His court was frequented by embassies from the Khans of the Golden Horde, Rasulids of Yemen, Ilkhanids of Iran, and sultans of Delhi, as well as the Pope and the kings of Aragon, France, Byzantium, Bulgaria, Tunisia, and Abyssinia. Trade was supported by both the Mamluks and the Mongols to mutual benefit, and luxury goods from the Orient passed through Syria and Egypt.

The golden age of Mamluk art occurred during Nasir al-Din Muhammad's reign. With his treasury overflowing with revenues from trade and improved methods of agriculture, he could well afford to be the greatest Mamluk patron of the arts, commissioning magnificent palaces and mosques and ordering spectacular objects for both secular and religious use. The amirs competed with the sultan, building and furnishing mosques, madrasas, mausoleums, *khanqas* (Sufi monasteries), *wakalas* (inns), *sabils* (fountains), baths, and palaces. The wealth of the Mamluk empire and the luxury of the sultan's court stimulated artists and architects to achieve the highest technical and aesthetic perfection during the first half of the fourteenth century. The competitive and demanding patronage of the court enabled artists to excel in the creation of manuscripts, metalwork, glass, ceramics, textiles, and all forms of architectural decoration (see nos. 1–3, 18–28, 50–51, 53, 66–73, 77–84, 92–96, 99–100, 102–3, 106, and 113–17; I and II).

The fierce competition among powerful amirs of the court who held the posts of imperial cupbearer, taster, and secretary (such as Qusun, Almas, Altunbugha, Beshtak, Salar, Toquztimur, and Kitbugha and Baybars—the latter two later usurped the throne) extended into the patronage of art and architecture and led to an unprecedented explosion in artistic production (see nos. 15–16, 27–28, and 93–96). The arts were also supported by the *arbab al-qalam* or men of the pen, including the renowned scholar Abu'l-Fida, who was a descendant of the Ayyubids and a trusted friend of the sultan (see nos. 23–24 and 53). The work of Mamluk artists was in demand by the Rasulid sultans of Yemen, who ordered a number of inlaid brasses and enameled and gilded glass (nos. 14, 22, and 50).

The wealth of goods arriving from the East introduced new decorative features readily adapted by Mamluk artists. Far Eastern and Central Asian floral motifs (such as lotus and peony scrolls) and fantastic animals (including the ch i-lin and phoenix) enriched the decorative vocabulary and were absorbed by the indigenous traditions, which showed a predominance of arabesques and inscriptions. Figural compositions employed on metalwork, glass, ceramics, and textiles had a last great flourish (see nos. 10–23, 44–48, 82–84, 102, 113, and 117) but were gradually replaced by epigraphy and blazons (see nos. 24–32, 50, 52, and 93–96), which along with the arabesque became characteristic themes of Mamluk art until the end of the empire.

The descendants of Nasir al-Din Muhammad continued to support the arts and lived in luxurious surroundings, even though the actual rule of the empire was in the hands of their amirs.



Twelve sultans were enthroned (some of them twice) in a span of forty-nine years following the death of Nasir al-Din Muhammad, with the longest reigns belonging to Hasan and Shaban II. During the reign of Sultan Hasan (1347–51 and 1354–61), one of Nasir al-Din Muhammad's eight sons to ascend the throne, the real ruler was Amir Sarghithmish. Shaban II (1363–76), grandson of Nasir al-Din Muhammad, was placed on the throne at the age of ten by the powerful Amir Yelbugha and was under his control for most of his sultanate.

Despite the lack of political independence, both Hasan and Shaban II were active patrons of art and architecture (see nos. 4–6, 30–33, 52; III and IV). One of the most celebrated structures in Cairo is the madrasa and mausoleum of Sultan Hasan, built between 1356 and 1362 and decorated with superb stonework, metalwork, and woodwork. The glass mosque lamps (no. 52) produced for this complex are among the masterpieces of Mamluk art. Amir Sarghithmish, the sultan's master-of-the-robes, and Amir Shaykhu, his cup-bearer, also commissioned mosques, *khanqas*, and *sabils*, which were adorned with impressive lamps and other architectural decoration. In his turn, Shaban II dedicated spectacular Korans (nos. 5–6) for his complex built in 1376 as well as for the madrasa of his mother, Khwand Baraka, founded in 1368/69.

In the second half of the fourteenth century, the political and economic fortunes of the Mamluk state were undermined by several natural calamities and man-made disasters. Pestilence and disease attacked livestock and agricultural produce; the dreaded Black Death seriously reduced the population of Egypt and the Near East between 1348 and 1350. A fleet from Rhodes, Venice, and Genoa, led by the king of Cyprus, invaded Alexandria in 1365, plundered the city, and captured thousands of residents. Peace was finally secured in 1370, enabling the Mamluks to move against the kingdom of Cilicia, a troublesome Christian state from the Mamluk view for its continual support of the Crusaders. Mamluks captured Adana and Tarsus. The fall of Sis, the capital, put an end to the kingdom. A different type of disaster was brewing to the east with the Central Asian armies of Timur advancing into the heart of the Islamic world.

But this time a Burji amir named Barquq had overthrown the Bahri ruler and claimed the sultanate in 1382, taking the titles al-Malik al-Zahir Sayf al-Din. The last Bahri sultan, Hajji II, was reinstated and ruled until 1390, at which date he was once again deposed by Barquq, thereby ending the Bahri Mamluk period.

Burji Period (1382–1517)

Barquq had been purchased in the Crimea and, unlike other mamluks, he knew his father, Anas. He overthrew the eleven-year-old Hajji II but was himself ousted in an uprising among the mamluks, who imprisoned him and reinstalled Sultan Hajji in 1389. Barquq escaped from prison, gathered his forces, and made a triumphant reentry into Cairo the following year. He reclaimed the Mamluk throne, establishing the Burji rule in Egypt and Syria.

Timur's advance into Iran and Iraq forced Barquq to form an alliance with the sultan of the Ottomans and the Khan of the Golden Horde; he also offered refuge to the ruler of Iraq, Sultan Ahmad Jalair, whose capital of Baghdad, had been sacked by the Timurids. Barquq died in 1399. before he could confront Timur himself. It was left to Faraj, his thirteen-year-old son and successor, to face the fearsome enemy. After Timur's army sacked Aleppo and Damascus, Faraj was forced to sign a humiliating treaty.

Barquq's ambition had been not only to terminate the rule of the Bahri sultans but also to recreate their glorious age and to outdo their magnificent endowments. In 1384–86 he erected a mosque next to the complex of Qalawun and the mosque of Nasir al-Din Muhammad and embellished it with enameled and gilded mosque lamps, marble pavements, and silver inlaid metal doors. Faraj, following in his footsteps, built a great *khanqa* and mausoleum for his father in the northern cemetery of Cairo.



During the early decades of the fifteenth century, the Mamluk economy was weakened by inadequate collection of taxes, loss of trade revenue, increasing military expenditures, devaluation of the currency, and inflation. Famine and food shortages added to the high cost of living and began to undermine the wealth of the empire. In the Burji period, the sultanate was generally achieved through violence and intrigue, and it became customary for rulers to reward their supporters quite handsomely in order to remain in power. The sultans purchased new slaves and created a personal corps for self-protection, further draining the treasury. Unlike the mamluks of the Bahri period, these slaves were often adults and difficult to control; they became unruly, harassed the population, and incited riots. Offices were now sold to pay bribes and buy new slaves. In the next ten years the Mamluk throne was occupied by several amirs, each of whom came to a violent end. The most powerful among them was al-Muayyad Sayf al-Din Shaykh (1412–21), who was able to reestablish internal security and partially restore the economy.

In spite of internal unrest and corruption, the empire was still strong enough to extend its frontiers and continue trade activities. During the sultanate of Barsbay (1422–38), who took the title al-Ashraf Sayf al-Din, Cyprus was conquered in 1426 and the territory of the Akkoyunlu Turkmans in southeastern Anatolia was raided. Barsbay resorted to devious and unorthodox measures to increase the revenues of his state: he diverted the Indian trade from Aden to Jedda, which was under Mamluk rule, and thus collected a substantial amount of additional taxes; he placed a state monopoly on commercial items, such as spices and sugar; he even banned non-Muslims from entering government service, knowing well that they would try to get in by paying large sums, which would eventually find their way into the state treasury.

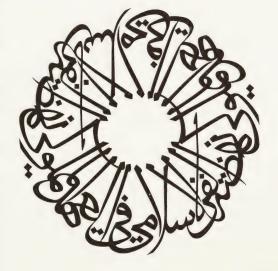
Following the practice of Mamluk rulers, Barsbay built impressive structures in Cairo, including a mosque-madrasa and a *khanqa* with his mausoleum (see no. 107), and supplied them with illuminated Korans (nos. 7–8). The sultan also commissioned metalwork for both personal and ceremonial use (no. 41).

Barsbay was succeeded by his fourteen-year-old son, Yusuf, who was overthrown after ninety-four days by his regent, Jaqmaq (1438–53). During the next fifteen years, the throne was occupied by six rulers, the longest sultanates belonging to Inal (1453–61) and Khushqadam (1461–67).

The reign of the next sultan, Qaitbay (1468–96), was phenomenal in that it lasted almost three decades and witnessed the renaissance of Mamluk art. Qaitbay was second only to Sultan Nasir al-Din Muhammad in his patronage of the arts. He was obsessed with endowing buildings and erected numerous mosques, fountains, gates, palaces, and inns throughout the capital as well as in Alexandria, Mecca, Syria, and Palestine (see nos. 105 and 112). His mausoleum, built between 1472 and 1474 in the northern cemetery of Cairo, is a jewel of Mamluk architecture, richly decorated with carved and inlaid stone, stained glass, and metalwork. Under his patronage, all forms of artistic production were revitalized, with the court commissioning manuscripts, metalwork, glass, ceramics, textiles, and rugs (see nos. 9, 34–35, 39, and 121–28).

Qaitbay, whose reign titles were al-Malik al-Ashraf Abu'l-Nasir Sayf al-Din al-Mahmudi al-Zahiri, was originally purchased by Barsbay. He ruled with compassion, wisdom, and strength. He treated deposed rulers and their descendants with respect and earned the true devotion of his mamluks. The sultan increased state revenues by encouraging commercial activities; he granted new privileges to Europeans and protected local merchants by abolishing certain taxes. The income from improved commercial activities, however, was all but spent on supporting the army and constructing new buildings.

Qaitbay antagonized the Ottoman sultan Beyazıd II by supporting his brother and pretender to the throne. Beyazıd retaliated by invading Cilicia, capturing Tarsus and Adana. Although the Mamluk army was successful in halting the enemy advance, Qaitbay recognized the immense power of the Ottomans and sued for peace in 1491.



The final years of Qaitbay's reign were troubled by the plague, which killed a substantial portion of the population, including his wife and daughter. This calamity was followed by a devastating famine. Despite these disasters, the age of Qaitbay was the highest point in the Burji period. The sultan, who died in July 1496, left a proud and glorious legacy; he had recaptured the splendor of the past, however briefly.

Qaitbay was succeeded by his son Muhammad, who was replaced in 1498 by his uncle Qansuh. In the following three years, two amirs ascended the throne, each to be overthrown by the mamluks of his rival. In April 1501 the council chose an amir named Qansuh al-Ghuri, a man of sixty who soon demonstrated that he was still vigorous and energetic in spite of his advanced age.

The new sultan's first move was to replenish the empty treasury. He achieved this goal by resorting to extortion and heavy taxation, which brought in substantial revenues. With these funds he strengthened many Mamluk fortresses, reconstructed the pilgrimage road to Mecca, and built a series of impressive structures, including mosques, madrasas, palaces, inns, and a mausoleum (see nos. 101 and 110). Sultan Qansuh al-Ghuri was an intellectual and one of the rare Mamluk rulers who showed an interest in literature and painting. He sponsored the Turkish translation of the *Shahnama*, the epic history of Iran written in Persian by Firdausi, and employed painters to illustrate the text (no. v). He also wrote poetry and had several works copied by his court artists.

Commercial activity, which constituted a major portion of Mamluk state income by way of tariffs, had begun to decline ever since the landing of the Portuguese in India in 1498. Trade, now controlled by the Portuguese, was routed around the Cape of Good Hope, resulting in vast losses to the Mamluk treasury. In an effort to divert the trade back to the Red Sea, the sultan sent a fleet to fight the Portuguese in the Indian harbor of Chaul. The first encounter in 1508 was successful, but in the following year the Mamluk navy was destroyed in the battle of Diu, near Bombay, and the Mamluk world was cut off from its most essential source of income, a loss that proved to be fatal on the eve of Ottoman advances in the Near East.

The Ottomans, led by Selim I, defeated the Safavids of Iran in 1514 and then moved against the Zulkadirs, a tributary state of the Mamluks in southeastern Anatolia. Qansuh al-Ghuri met the Ottomans at Marj Dabik, north of Aleppo, in August 1516. His forces were outnumbered by the Ottomans, who had superior artillery and military discipline, which were sadly lacking among the Mamluks. When the left wing of the Mamluk army joined the enemy, defeat was inevitable and Qansuh al-Ghuri lost his life in the ensuing battle. Selim I moved easily through Syria and arrived in Egypt. Meanwhile, Tumanbay II who had just been elected sultan, led the remaining Mamluk forces; he was first defeated near Gaza, then at Raidaniyya, outside Cairo. The final battle was fought in January 1517, and the Ottoman sultan was recognized as the master of Egypt and Syria. Tumanbay was caught and executed in April 1517, thus ending the Mamluk rule. Egypt was now an Ottoman province; the Hijaz with the holy cities of Mecca and Medina passed to the Ottomans; and İstanbul became the seat of the new sultanate as well as the caliphate.

The Ottoman conquest did not bring a radical change in administration since Egypt and Syria were still ruled by a powerful and elite foreign group. The Ottomans relied on mamluks to run a number of bureaus; in fact, the first Ottoman governor of Egypt was Khairbay, a Burji amir. The governors sent from İstanbul and the local mamluk aristocracy continued to build charitable foundations and to maintain existing endowments. The art and architecture produced during the Ottoman period (1517–1848) depended on the Mamluk decorative vocabulary and reveal a continuation of older traditions.



ADMINISTRATION

At first glance the Mamluk state appears to have been full of paradoxes: it was strong and stable enough to survive for more than two and a half centuries despite continuous exposure to internal rivalries and intrigue. Needless to say, the greatest asset of the empire was its wealth, acquired through various sources of taxation, such as duties on all goods passing through Egypt and Syria and taxes on land, monopolies, and agricultural produce.

The strength and weakness of the state lay in the institution of the mamluks, which enabled an individual to rise from slave ranks to supreme rule, and yet the sultan had to be elected or confirmed by the council. The mamluk system forced the ruling military elite to be splendidly trained in warfare and in the art of self-preservation. Its administrative machinery enabled the bureaus to continue working independently in spite of internal turmoil, corruption, and bribery. The amirs kept their quarrels to themselves and did not allow interference by natives or foreigners, thus retaining a solidarity in the face of internal or external attacks.

At the head of the military oligarchy was the sultan, a mamluk by origin. He was surrounded by a group of high amirs, also former mamluks. This ruling elite constituted the arbab al-suyuf or men of the sword. The sultan had a group of mamluks, entitled the mamalik al-sultaniyya, who served as his personal bodyguards and held specific offices in the palace. When these imperial mamluks were freed and became amirs, they were given prestigious appointments in the provinces and held military commands and court offices. The amirs had their own corps of mamluks, the mamalik al-umara, who could be freed or passed on to imperial service. The members of the arbab al-suyuf were of foreign descent, predominantly Kipchak Turks and Circassians; they were all Muslims but retained their Turkish names.

The social structure of the military class was rigidly defined. The amirs were allotted fiefs (iqta), which were landed estates, towns, villages, or even annual revenues from taxes and custom duties. Each amir was obliged to divide two-thirds of his fief among his mamluks, giving them either a portion of the estate or an allowance. The fiefs, the backbone of the administration, were controlled by a special office that determined their allocation and checked their administration and maintenance.

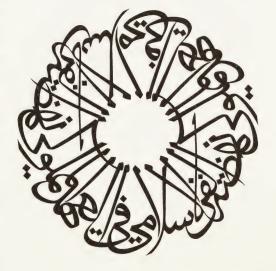
The arbab al-suyuf also constituted the army, which consisted of three basic units: the mamluks of the sultan, the amirs, and the mamluks of the amirs. Although there were auxiliary troops made up of natives—such as Bedouins, Egyptians, Palestinians, and Syrians—the bulk of the military forces were amirs and mamluks.

Technically, the sultan was chosen by the consent of the leading amirs of the state, and upon his accession he was given the diploma of investiture by the caliph. Even when the sultanate was inherited from father to son, this protocol was duly observed.

The next class constituted the *arbab al-qalam* or men of the pen, who were native, free-born Muslims, with a few local Christians and Jews. They held civil appointments and served as judges, teachers, learned men, clerks, and administrators. The amirs' sons, who had Muslim names, also belonged to this class and were called *awlad al-nas*, sons of the people.

Although the rule of the sultan was absolute, he was assisted by high officials of the two classes. When he held council, these officials took their place on either side of him according to rank. The senior amirs, called Amirs of the Council, included the sultan's representative (naib), commander-in-chief (amir kabir), president of the council (amir majlis), commander of the guards, minister of war, minister of interior or secretary (dawadar), minister of the palace or majordomo (ustadar), chief military judge, and other important personages.

Below Amirs of the Council were Amirs of One Thousand, from which the governors of the Syrian provinces (Aleppo, Damaseus, Hama, and Tripoli) were chosen. The next group was





composed of Amirs of Forty, who had the right to be accompanied by their own *tablakhana*, military band. The succeeding ranks consisted of Amirs of Ten and the lowest military officers.

The mamluks were purchased by a special officer, the *tajir al-mamalik*. The newly acquired slaves were educated in the mamluk school in Cairo, then distributed to various corps as pages. They served such diverse posts as cup-bearer, sword-bearer, polo master, and master-of-the robe. When the youths acquired the necessary training, they were placed in the service of the amirs and, as vacancies occurred, they were sent to the sultan's palace. Those fortunate enough to be included among the sultan's bodyguards were called *khassaki* and later became powerful amirs.

The offices held by the mamluks and the amirs were identified by blazons, which are unique to the Mamluk world. Although heraldic emblems had been employed by other Turkish rulers—such as the Artukids of Anatolia, Seljuks of Rum, and Khwarazm Shahs of Turkestan—they were generally symbols of royalty and did not represent a hierarchic system. In the Mamluk world, the blazon identified a specific office and was used by the amir who held that post. Everyone in his household, including his mamluks and women, could use the emblem. The blazon was placed on his houses and religious foundations; it was applied to his boats, tents, baggage, banners, blankets, and train; and it was used on his garments, arms and armor, and on objects he commissioned for personal and ceremonial use. When an amir was disgraced or executed, his blazons were erased; when his possessions were taken over by another amir, the new master placed his own blazon on the holdings of the former owner.

Blazons embellished all types of Mamluk art and architecture. They are found on religious buildings, carved in stone or stucco, painted on wood ceilings and doors, as well as on furnishings, such as minbars (pulpits), *kursis* (lecterns), and *rahles* (bookstands). Heraldic emblems were woven into textiles and carpets, inlaid into brass objects, and painted on glass, ceramics, and tiles.

In the Mamluk world, the word for blazon was *rank*, which means "color," indicating that color played an important role in the identification of the signs. The emblem was always enclosed by a round, pointed, pear-shaped, or oval shield. At times the shield was divided into either two or three fields, each of which contained a different sign, constituting a hybrid or composite blazon.

The chronological and typological development of the Mamluk blazon makes a fascinating study and assists in the dating of many objects. The first sultan to use a blazon was Aybak, who was formerly the *jashnigir* or imperial taster of Najm al-Din Ayyub; he used the symbol of a round table to identify his former office. Some of the early Mamluk sultans (such as Kitbugha and Baybars II) used as their blazons the signs of their previous offices. After the second quarter of the fourteenth century the rulers adopted an epigraphic format in which their official reign titles were given in a round shield divided into three fields.

Mamluk blazons fall into five groups: they either contain animals, specific motifs, epigraphy, or signs of office or they are composites. The first sultan to use an animal was Baybars, who chose the lion as his emblem. The lion, symbol of power and strength, was used on all the sultan's buildings and objects (see no. 108) and was employed by his officials who combined it with their own blazons (see no. 46). The lion also figured in the blazon of Baybars's son Baraka Khan. The single- or double-headed eagle, another imperial symbol, is thought to identify Nasir al-Din Muhammad. It often appears in combination with other elements (such as a cup, napkin, or sword) on objects made for his amirs holding the offices identified by these signs (see nos. 27 and 96). Some animals, such as the fish, duck, and horse, might have had specific meanings, but they do not appear to constitute true blazons and were used only for decorative purposes.³

Certain motifs, including the fleur-de-lis, rosette, crescent, bends, and bars, are difficult to identify and were most likely used to indicate imperial power. The fleur-de-lis (an abstracted lotus blossom), six-petaled rosette, and crescent are thought to represent the house of Qalawun (see nos. 17, 27–28, 93, 96, and 114–15). The five-petaled rosette was chosen as the blazon of

the Rasulid dynasty of Yemen and was employed on all objects made for the Rasulid sultans in the thirteenth and fourteenth centuries (see nos. 14, 22, and 50). The bends or diagonal lines in the lower half of a shield identified the Hama branch of the Ayyubids and were used in the blazon of its most famous member, Abu'l-Fida (see nos. 24 and 46). The bars or horizontal lines do not appear on imperial wares and may have been used by a lower class of freed mamluks. Other devices, such as the checkerboard and cross, were probably decorative motifs with no heraldic connotations. The *tamgha*, the stamp or mark used by Turkish tribes, however, identified a particular group of dignitaries who never served as mamluks (see no. 83).

The epigraphic blazon, which began to be used by Nasir al-Din Muhammad around the 1320s, became the heraldic emblem of all subsequent Mamluk sultans. On objects made for the Bahri sultans (nos. 26, 29–31, and 52), the round shield was divided into three horizontal units, with the name and titles of the ruler inscribed in the center. In the Burji period, inscriptions were placed in all three fields and read in the sequence of second, first, and third bars (see nos. 34–35, 101, and 110). This form was used by the Mamluk sultans until the Ottoman conquest.⁴

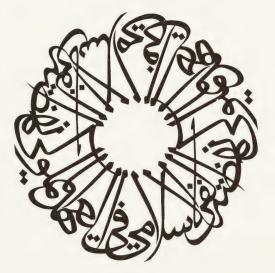
As mentioned earlier, Aybak was the first amir to use the symbol of an office, a table identifying the <code>jashnigir</code>. Other signs of office included the cup used by the <code>saqi</code> or cup-bearer (see nos. 15–16, 28, 109, and 125); the pen box of the <code>dawadar</code> or secretary (nos. 20–21) the napkin (<code>buqja</code>) of the <code>jamdar</code> or master-of-the-robes (no. 93); the sword of the <code>silahdar</code> or sword-bearer (no. 94); the bow of the <code>bunduqdar</code> or bowman; the ewer of the <code>tishtdar</code> or superintendent of stores (no. 88); the polo-stick of the <code>jukandar</code> or polo master; the banner of the <code>alamdar</code> or flag-bearer; the mace of the <code>jumaqdar</code> or mace-bearer; and the drum of the <code>tabldar</code> or drummer in the <code>tablakhana</code>, military band. In some cases, amirs incorporated the sign of office with the blazon of their masters; for instance, Amir Toquztimur, who was the <code>saqi</code> of Nasir al-Din Muhammad, employed as his blazon an eagle standing above a cup, which identifies both his master and his rank (see nos. 27 and 96).

The composite blazon of the Burji period is a shield divided into three fields representing several symbols, such as a cup, napkin, pen box, and sword and a peculiar motif identified as a powder horn (see nos. 39 and 124). This type of blazon was used collectively by all the mamluks of a particular sultan, that is, by the mamalik al-sultaniyya as well as by the amirs and their mamalik al-umara. Although the sultan retained the exclusive right to the epigraphic blazon, the collective blazon of his mamluks and amirs was also represented on some of his objects.

Although more than one hundred Mamluk blazons have been identified, their study is far from complete. A number of motifs functioned both as decorative elements and as heraldic emblems; some, like the lion of Baybars, are very specific, while others, such as the rosette and crescent, have a more general application.⁵

The Mamluks established a formidable state with a strong administrative and military system that withstood foreign invasion, internal strife, and economic crisis. They were the true defenders of Islam: they preserved the caliphate, were victorious in their jihads or holy wars, and protected the holy cities. Their piety, often overshadowed by political ambition, benefited artists, for each sultan and amir attempted to outdo his predecessor by endowing more magnificent buildings and commissioning more impressive objects. Their zeal for establishing religious foundations, reconstructing existing endowments, and supplying them with beautiful furnishings places the Mamluks among the greatest patrons of art and architecture in the history of Islam.

It could be argued that Mamluk art was not innovative and did not create new styles and themes but merely elaborated upon traditions established in the past. And yet Mamluk artists, stimulated by the demands of their patrons, produced the most spectacular examples of Islamic manuscripts, metalwork, and glass; but their aesthetic achievements were often overshadowed by a display of technical virtuosity.



An abbreviated format is used for references; the Key to Shortened References begins on page 266.

- 1. For additional historical data see entries on the Mamluks and individual rulers in Encyclopedia of Islam; Lapidus 1967; Ziada 1969 and 1975.
- 2. The most extensive study on blazons appears in Mayer 1933 and 1937: Meinecke 1972 and 1974.

 3. The duck was believed to be the blazon of Sultan Qalawun whose name was thought to mean "duck" in Turkish. This word does not appear in Turkish dictionaries; moreover, there is no record in Mamluk blazons of a canting coat, that is, an emblem symbolizing the name of the holder. Professor Sinasi Tekin of Harvard University, however, has informed me that there exists a word in Uygur Buddhist texts, kalavink, which means "cuckoo" or a type of wild pheasant. This word appears to have the same sound as the name Qalawun and its meaning is related to the word for wild duck, which appears on Mamluk objects.

The same association with name and canting coat was thought to exist with the lion of Baybars, whose name means "Lord Panther" in Turkish. This attribution is highly doubtful, since the lion, the king of the animal kingdom, was employed as an emblem of royalty in ancient times and symbolized ultimate power.

- 4. It appears to have continued even under Ottoman rule. For instance, the Citadel of Jerusalem, restored by Sultan Süleyman in 1531–32, has a shield divided into three fields with the dedicatory inscription following the traditional Mamluk format: "Glory to our master, the sultan al-Malik al-Muzaffar Abu'l-Nasir Süleyman Shah ibn Uthman, may his victory be glorious" (Mayer 1933, p. 39).
- 5. Xumismatic evidence offers little help, since a definite correlation between blazons and devices used on coins cannot be established. See Allan 1970.

ILLUMINATED MANUSCRIPTS



ILLUMINATED MANUSCRIPTS

The exquisite illuminations, calligraphy, and bindings of Mamluk Korans are unequaled in any other Islamic tradition of bookmaking. The technical and artistic virtuosity found in these manuscripts is representative of the Mamluks, who, embracing Islam with the fervor of converts, endowed elaborate religious complexes and supplied each major foundation with its set of Korans. Patronage of the court stimulated artists to develop a rich repertoire of decorative elements and to excel in the execution of different styles of script.

The manuscripts illustrated in this section represent the most significant periods in the development of Mamluk Korans and religious texts; they reveal the evolution of illumination and calligraphy as well as the importance of patronage.

The majority of Korans were specifically commissioned by the sultans and amirs for their mosques and madrasas. The manuscripts were registered in the waqf or endowment records and kept in the buildings for which they were commissioned until the end of the nineteenth century, at which time many were moved by the Comité de Conservation des Monuments de l'Art Arabe to the National Library in Cairo, which now houses the largest collection of Mamluk Korans. Another important group of manuscripts is in the Topkapı Palace Museum in İstanbul, but this collection comprises non-waqf books taken after the Ottoman conquest. Ottoman sultans and their governors respected the Mamluk foundations and their endowments. They protected the religious buildings and the objects registered as waqf to these establishments, including Korans, metalwork, glass, and furnishings. Select manuscripts that left Cairo at the end of the nineteenth and beginning of the twentieth century are today owned by a number of European museums, including the Chester Beatty Library in Dublin and the British Library in London. The production of Korans under the Mamluks was so prolific that today every public and private collection devoted to Islamic art owns several folios from an imperial manuscript.

Bahri Period (1250-1390)

The Mamluks must have donated Korans to their establishments during the second half of the thirteenth century, but no dated or datable example from before the turn of the fourteenth century has been identified. Most of the earliest datable manuscripts were conceived as thirty-volume sets, the characteristic format of Mamluk Korans.

Although multivolume Korans were produced in Iran during the Seljuk period as early as the eleventh century, this format achieved an unprecedented popularity in the Mamluk period. One of the earliest thirty-volume Mamluk Korans is in the National Library and contains the waqf of Muhammad ibn Ishaqi, dated 1303/4; another set, seven volumes of which are now in the British Library, was produced in 1304 for Baybars, al-Jashnigir, who later became sultan. The next extant work is the famous and controversial thirty-volume Koran copied in 1313 for al-Malik al-Nasir Muhammad. This Koran, housed in the

National Library, contains the waqf of Sayf al-Din Baktimur, who donated the entire set in 1326 to his foundation in Cairo. A fourth set, belonging to this group of early Korans, in undated: two of its surviving volumes are owned by the Chester Beatty Library (nos. 1–2); the remaining part, in the British Library, contains the waqf of Sultan Faraj, which was added in the early 1400s.

The dates of these thirty-volume Korans coincide with the reign of Nasir al-Din Muhammad (1293–1341, with interruption). Muhammad ibn Ishaqi, the donor of the earliest work, has not been identified in historical sources, but he must have been one of the court officials. The second work was commissioned by Baybars while he served the sultan. This ambitious amir forced the sultan to abdicate in 1309 and reigned for almost a year before Nasir al-Din Muhammad was able to regain his throne and have Baybars eliminated.

The thirty-volume Koran dated 1313 and dedicated to al-Malik al-Nasir Muhammad is thought to have been written for Oljaitu (1304–17), the Ilkhanid ruler of Iran. The titles given in the manuscript were used both by Nasir al-Din Muhammad and Oljaitu, who converted to Islam and took the name Muhammad together with the honorific al-Malik al-Nasir, meaning "the Victorious King." The dedication, however, also includes the titles Nasir al-Dunya wa'l-Din Ghiyath al-Dunya wa'l-Din, which were never used by Mamluk sultans. In addition, the Koran praises at length the twelve Shiite imams, precluding its patronage by the protector of the Sunni caliphate, the Mamluk sultan. The colophon states that the manuscript was copied and illuminated by Abdallah ibn Muhammad ibn Hamdani in September 1313 in Hamadan (western Iran), further supporting the argument that it was produced for the Ilkhanid ruler.

The manuscript must have arrived in Cairo by 1326 and fallen into the possession of Amir Sayf al-Din Baktimur, the *saqi* or cup-bearer of Sultan Nasir al-Din Muhammad. It is possible that the Koran came as a diplomatic gift from the Ilkhanid sultan Abu Said who succeeded Oljaitu and concluded a peace treaty with the Mamluks in 1323. Abu Said is recorded as having sent camel-loads of gifts to the Mamluk court following the armistice, and this work may have been included in the shipment. Ilkhanid and Mamluk Korans, however, reveal a number of similar stylistic features,³ and the decorations of the 1313 Koran are very close to those found in other early Mamluk manuscripts (see nos. 1–3).

Many of these early manuscripts were commissioned by Sultan Nasir al-Din Muhammad who donated them to his foundations. One of his most celebrated single-volume Korans is written in gold and bears a waqf notation dated 1330. This remarkable work does not possess a colophon, but it must have been completed shortly before the date of the waqf. That same year the sultan commissioned another single-volume Koran, which is now in the Keir Collection in London. A third Koran, copied in 1334 (no. 3), does not have a dedication or a waqf, but its date of execution falls within the sultanate of Nasir al-Din Muhammad. The

same date is found on a thirty-volume Koran, five parts of which are now in the Chester Beatty Library. Several other Korans lack dedications, yet their dates indicate that they were also produced in the court of Nasir al-Din Muhammad.

These manuscripts demonstrate that the tradition of the thirty-volume Koran was firmly established in the Mamluk world by the first quarter of the fourteenth century. The volumes in each set have uniform bindings, illuminations, and script; and each part contains one juzz, prayers for each day of the Muslim month. The entire set would have been stored in a large Koran box, generally given to the establishment by the same patron who donated the Koran. Several such boxes (see no. 25), made of wood and covered with plates of brass inlaid with silver and gold, were produced during the reign of Sultan Nasir al-Din Muhammad.8

The format established by these early Korans was standardized in the second half of the fourteenth century and applied to single-volume, two-volume, and thirty-volume Korans (nos. 4-6). The manuscripts open with a double frontispiece, which is followed by an illuminated double folio containing the first verses; the text is adorned with illuminated chapter headings, marginal ornaments, and verse-stops, some of which contain the word aya (verse). The concluding double folios are also illuminated and followed by a double finispiece. A symmetry governs the organization of the book with the layout of the opening folios mirrored in the concluding pages. Insistence on symmetry is also evident in the design of the double folios and in the decoration of individual pages. The double frontispiece, that is, the first pair of illuminated pages, is conceived as a unit with a wide arabesque border enclosing the composition across the two pages. The border thus surrounds three sides of each page but does not extend down the spine (see nos. 4-5). The rectangular area created by the *border is divided into three fields with two narrow panels placed above and below a central square. The upper and lower panels are subdivided to form two small squares flanking an oblong unit. Koranic verses, rendered in white or gold kufic (angular script) appear within cartouches in the oblong units, and an intricate geometric composition fills the central square. Koranic passages, spread across two facing pages of the frontispiece, often quote well-known verses from Surat al-Waqia (The Event; LVI:77-80):

Certainly this is an honored Koran, in a book that is protected, none shall touch it save the purified, [it is] a revelation from the Lord of the Worlds.

In some cases this is replaced by a quotation from Surat al-Shuara (The Poets; xxvi:192–97), which also stresses the divine revelation of the Holy Book.

It is in the decoration of the central square that Mamluk artists truly excelled, combining impeccable technique and fine aesthetic sense to create extraordinarily sophisticated geometric compositions. The geometric designs are often radial and composed of units evolving from

ILLUMINATED MANUSCRIPTS

twelve-pointed or sixteen-pointed stars that form concentric rings subdivided into polygons of diverse shapes. Each unit is filled with symmetrically arranged and superimposed geometric and floral motifs. The illuminations symbolize the universe; the motifs are inspired by solar and astral bodies bursting with energy and radiating from the core with a phenomenal centrifugal force accelerated by variations in color and form. The composition is harnessed by continuous thin bands that define and outline the units, inducing order and harmony from otherwise turbulent movement. No other Islamic artistic tradition approaches the refinement of design and the depth of spirituality found in these illuminations.

The basic tripartite division of the frontispiece persists in the illuminated double folios with verses of the opening chapter placed in the central square. The text is outlined by contour bands and a delicate arabesque appears in the background. These opening folios are as carefully decorated as the frontispiece (no. 6) and reveal a harmonious balance between illumination and calligraphy.

Cooperation between illuminator and calligrapher is evident throughout the manuscript. The illuminator was responsible for decorating the chapter headings, marginal ornaments, and verse-stops, all of which show an infinite variety of geometric and floral motifs in each volume. The calligrapher was responsible for perfect copying of the text and the chapter headings. The chapter headings were rendered in kufic, at times substituted by thuluth, a hierarchic script used for inscriptions on architectural decorations and metal and glass objects. The body of the manuscript was written in the cursive muhaqqaq script. Muhaqqaq, meaning "meticulously produced," was the characteristic script of Mamluk Korans, its sweeping horizontals contrasting harmoniously with its tall straight verticals. Some manuscripts employed rihani, another variation of the cursive style closely related to muhaggaq. The letters in rihani script are generally smaller, and the contrast between horizontals and verticals is not as pronounced as in muhaqqaq; the diacritical marks and orthographic signs are often written with a finer pen.

Although a wealth of Korans was produced during the Bahri Mamluk period, very few manuscripts contain the names of calligraphers and illuminators. Only a handful of calligraphers are known from the colophons: Muhammad ibn al-Walid copied the thirty-volume Koran for Baybars in 1304; Ibrahim ibn Muhammad al-Khabbaz copied the Koran dated 1315; Muhammad ibn Bilbek al-Muhsini al-Nasri worked on one dedicated to Nasir al-Din Muhammad in 1330; Amir Hajj ibn Ahmad al-Saini copied the thirty-volume set finished in 1334; Ahmad ibn Muhammad ibn Kamal ibn Yahya al-Ansari al-Mutatabbib was the calligrapher of the 1334 Koran (no. 3); Yakub ibn Khalil al-Hanafi worked on a two-volume manuscript completed in 1356 and dedicated twelve years later by Sultan Shaban to his mother's madrasa: and Ali ibn Muhammad al-Mukattib al-Ashrafi executed in 1372 the Koran (no. 6) dedicated four years later by Sultan Shaban to his complex. The

names of illuminators are even scarcer: Muhammad ibn Mubadir and Aydughdir ibn Abdallah al-Badri worked on the thirty-volume Koran dated 1304, and Ibrahim al-Amidi's name is given in the colophon of the manuscript completed in 1372 (no. 6).

Among Mamluk Korans of the second half of the fourteenth century are oversized single volumes that required special *kursis* or lecterns for the reciter. These magnificent *kursis*, made of carved wood and inlaid in ivory, can still be seen in many religious foundations dating from this period. The production of gigantic Korans, some of which are over one meter high (more than three feet), appears to coincide with the construction of large mosque-madrasa-mausoleums.

Two-volume medium-size Korans (about fifty centimeters or twenty inches high) also make their appearance in this period, particularly during the sultanate of Shaban II (1363–76), grandson of Nasir al-Din Muhammad. Both Sultan Shaban and his mother, Khwand Baraka, donated Korans (nos. 5–6) for their foundations.

Amirs of the sultans also endowed pious foundations and commissioned Korans for their establishments. Among the patron amirs were Arghun Shah, thought to be in the service of Sultan Shaban. Arghun Shah's Koran (no. 4) was produced about the same time as those made for the sultan. Sarghithmish, another amir. in the service of Sultan Hasan (1347–61, with interruption), commissioned two sets of thirty-volume Korans for his madrasa completed in 1356. 10 His master, Sultan Hasan. gave to his famous foundation in Cairo several Korans, both single-volume manuscripts and thirty-volume sets. 11

Burji Period (1382-1517)

The production of large single-volume Korans, midsized two-volume manuscripts, and smaller thirty-volume sets continued in the Burji period. These manuscripts follow the traditional format established in the fourteenth century and reveal the same high technical and aesthetic standards. Barquq (1382–99, with interruption), founder of the new regime and patron of the large mosque-madrasa bearing his name, is known to have donated a number of Korans to his foundation. His son and successor, Faraj, commissioned a thirty-volume Koran in 1410, four parts of which are now in the Keir Collection.

The majority of fifteenth-century Korans are either oversize single-volume manuscripts or smaller thirty-volume sets. One of the largest Korans was copied in 1417 by Musa ibn Ismail al-Kinani al-Hanafi. known as al-Hijjini. It was donated in 1419 by Sultan Shaykh (1412–21) to his mosque called al-Muayyad. Another single-volume Koran was executed in 1444 for Sultan Jaqmaq (1438–53) by Muhammad Abu'l-Fath al-Ansari. The name of this calligrapher also appears in the colophon of a manuscript completed in 1454 for Sultan Khushqadam (1461–67), whose waqf appears on several thirty-volume Korans.

The most energetic patron among fifteenth-century sultans was

Barsbay (1422–38), who donated several single-volume, two-volume, and thirty-volume Korans to his madrasa built in 1425. One of the most beautiful two-volume sets bearing his waqf (nos. 7–8) reveals the change in style and taste that occurred in the fifteenth century: the books are smaller and squatter than those made in the second half of the fourteenth century, the centrifugal designs characteristic of earlier frontispieces are subdued and the astral motifs appear more decorative than symbolic, and although kufic appears in the headings. the text has been copied in naskhi and not in the usual muhaqqaq.

The last of the great Mamluk patrons was Sultan Qaitbay (1468–96), who not only donated Korans to his foundations but also commissioned books on history, literature, and theology for his personal library. To One of the outstanding works made for Qaitbay (no. 9) displays the extraordinary virtuosity of the calligrapher, Qanem al-Sharifi, who executed four different cursive scripts (thuluth, naskhi. naskh fada, and riqa) in varying sizes and different colored inks.

The bindings of Mamluk books reveal versatile techniques and designs. Similar to all Islamic bookcovers, they are made on a pasteboard core covered with leather. The decoration was stamped as well as blind-tooled and gilded; in a few cases, parts of the design were painted with touches of blue or green. The traditional design of bookbindings consists of a central medallion filled with geometric motifs repeated in four corner quadrants, while a series of braids and bands frames the edges. Some bookbindings are decorated with an overall geometric design recalling the composition of the frontispiece. The doublures (inner covers) are also made of leather and block-stamped with delicate floral and geometric patterns.

Mamluk bindings with filigree designs are among the most exquisite of all Islamic bookcovers. The design, cut into leather, was placed against a colored ground, generally of finely woven silk. The motifs on the raised areas were blind-tooled, gilded, and painted. Filigree designs, which appear on the interior of fifteenth-century examples from Iran, are placed on the exterior of many Mamluk Korans. The most beautiful filigree bindings are found on manuscripts produced for Khushqadam and Qaitbay, suggesting that this technique was fully developed in the Mamluk world by the middle of the fifteenth century.

Although in the fifteenth century imperial patronage appears to have dwindled in certain arts, particularly in metalwork and glass, it is very evident in the production of Korans and other religious texts. The same support is observed in the construction of buildings with more than half of the existing Mamluk structures in Cairo dating from the Burji period. The interest in building is paralleled by the enthusiasm in supplying these foundations with suitable Korans. Competition among amirs led to the endowment of elaborate architectural complexes and to the creation of the most sumptuous Korans in the history of Islam.

Notes

- Cairo, National Library, 70, complete thirty-volume set (Cairo 1969, no. 280);
 London, British Library, Add. 22406–12 (Lings 1976, pl. 62; Lings and Safadi 1976, nos. 66–69).
- 2. Cairo. National Library. 72. complete thirty-volume set (Cairo 1969, no. 281; Lings 1976, pls. 54-59). Inscriptions from six volumes (parts twenty-five to thirty) are given in Wiet 1939a, no. XIV. pls. XXXII—XXXIII.
- are given in Wiet 1932a, no. XIV. pls. XXXII—XXXIII.

 3. Ilkhanid Korans are exceptionally rare. There exist, however, two thirty-volume Korans, one of which was produced in Mosul in 1310 and dedicated to Sultan Oljaitu and his two ministers. Rashid al-Din and Sad al-Din (part twenty-five in London, British Library, Or. 4945; other parts in 1stanbul (Lings 1976, pls. 52–53; Lings and Safadi 1976, no. 99]). Another thirty-volume Koran, dated 1304, is thought to have been copied in Baghdad (Tehran, Iran Bastan Museum, 3548 [Lings and Safadi 1976, no. 97]). The Ilkhanid court also commissioned a sixty-volume Koran, a part of which is now in London, British Library, Or. 1339. Korans with sixty parts, although rare, are not unusual and were produced in Maghrib during the thirteenth century. Two such sets are in London, British Library, Or. 12523 and 12808 (Lings and Safadi 1976, nos. 45–47).
- 4. Cairo, National Library, 4 (Cairo 1969, no. 282; Lings and Safadi 1976, no. 71).
- London, Keir Collection (Lings and Safadi 1976, no. 72; B. W. Robinson 1976a, no. VII.9).
- 6. Dublin, Chester Beatty Library, Ms 1469 (Arberry 1967, nos. 69-73).
- London, Keir Collection, dated 1315 (Lings and Safadi 1976, no. 70; B. W. Robinson 1976a, no. vii.8); Dublin, Chester Beatty Library, ms 1481, dated 1320 (Arberry 1967, no. 56).
- Berlin, Museum für Islamische Kunst, i 886 (Berlin 1971, no. 19 and fig. 69;
 London 1976, no. 214); Cairo, al-Azhar Library (Wiet 1929, no. 571; Wiet 1932, app. no. 180; Cairo 1969, no. 60 and pl. 9).
- 9. Cairo. National Library 8 (Lings 1976, pls. 73-74; London 1976, no. 536).
- Cairo, National Library, 61 (Cairo 1969, no. 287) and 60 (Lings and Safadi 1976, no. 74).
- Single-volume Korans are in Cairo, National Library, 5, and Dublin, Chester Beatty Library, Ms 1455 (Arberry 1967, no. 57). Thirty-volume Korans are in Cairo, National Library, 59 and 62.
- Single-volume Koran is in Cairo. National Library.
 The same collection owns several thirty-volume sets (76 and 153) and one juzz manuscripts (74 and 77–79).
- 13. B. W. Robinson 1976a, no. vii.19-32, pl. 151.
- 14. Cairo. National Library, 17 (Cairo 1969, no. 292; London 1976, no. 540).
- 15. Dublin, Chester Beatty Library, MS 1507 (Arberry 1967, no. 101). There is also a Koran copied in 1448 by Khayr al-Din, called Ibn al-Khatib al-Marashi, in London, Keir Collection (B. W. Robinson 1976a, no. vii.39). Although this Koran does not have a dedication, its date of completion coincides with Sultan Jaqmaq's reign.
- 16. Single-volume Koran is in Cairo. National Library, 90 (Lings and Safadi 1976, no. 94): thirty-volume Korans are also in the same collection, 9, 104, and 401. An undated manuscript in Dublin, Chester Beatty Library, MS 1483, was copied for Sultan Khushqadam by Janam ibn Abdallah al-Saifi (died 1483).
- 17. Several Korans bearing Qaitbay's name are housed in Cairo, National Library, 19 and 86 (both single-volume works); and 88 and 101 (parts of thirty-volume manuscripts). Other Korans dedicated to him are in Dublin, Chester Beatty Library, Ms 1508 (Arberry 1967, no. 104); London, Keir Collection, copied by Muhammad ibn Ali al-Suheyli (B. W. Robinson 1976a, no. vii.43); and Manchester, John Rylands University Library, 39, copied by Shahin al-Nasiri in 1469 (Lings and Safadi 1976, no. 88). Among the manuscripts in İstanbul, Topkapı Palace Museum, commissioned by Qaitbay are texts on archery (a2425), theology (a2956), genealogy and biography of the Prophet (a6032), and literature (a8549).
- 18. One of the most extensive collections of Mamluk bookbindings is in Chicago, Oriental Institute, which is planning a special exhibition in May 1981 of Islamic bookmaking and a catalogue of its holdings. Most of these bindings were studied in Bosch 1952; several examples were published in Baltimore 1957, nos. 61–71. See also Ettinghausen 1959.



Illuminated heading with Surat al-Waqia (The Event: Lv1:77–78) Part 4 of 30-volume Koran First quarter 14th century

Height: 26.3 cm. (10\(^8\) in.) Width: 19.3 cm. (7\(^8\) in.) Written in muhaqqaq script with kutic headings: 5 lines, 37 folios

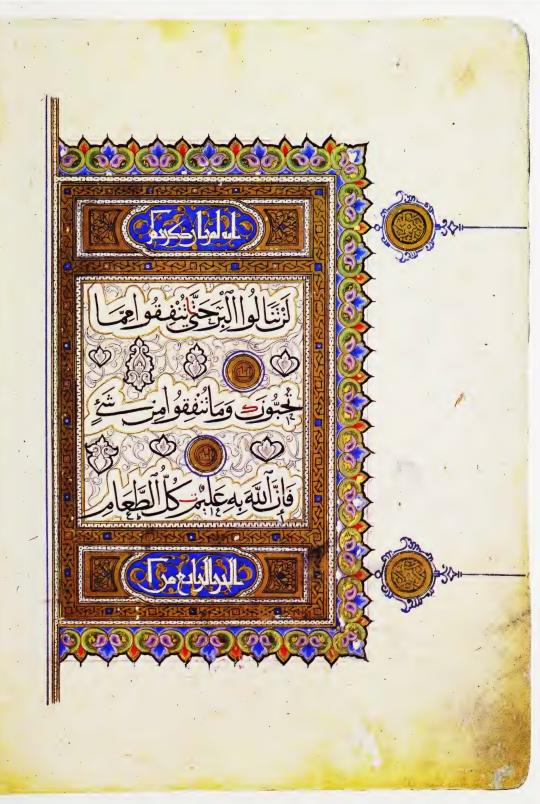
Dublin, The Chester Beatty Library, MS 1464 (fols, 2b-3a) Purchased 1930

This small manuscript belongs to a thirtyvolume Koran of which only three parts have survived: part nine is in the British Library. 1 parts four and twelve are owned by the Chester Beatty Library (see also no. 2). The volume in the British Library contains a waqf notation giving the name of Sultan Faraj (1399-1405 and 1406-12), who must have taken possession of the entire set sometime after the work was completed. Although the original patron of the work is unknown, the style of its decoration suggests that it was executed in the first quarter of the fourteenth century The Koran, of imperial quality, may have been commissioned during the second or third reign of Sultan Nasir al-Din Muhammad (1299-1309 or 1310-41) or by an official in his court.

Each of the existing parts comprises thirty-seven folios written in muhaqqaq script with kufic employed in the illuminated chapter headings. The manuscripts have a double frontispiece. followed by another set of illuminated folios that present the opening verses. The text is embellished with large gold verse-stops containing the word aya and with exquisitely illuminated marginal rosettes and chapter headings. The anonymous artist who executed this Koran has used a rich repertoire of decorative motifs: the illuminations of the double frontispiece. double folios with opening verses, chapter headings, and marginal decorations of each volume are adorned with designs based on infinite variations of geometric patterns and floral arabesques.

The illuminated double frontispiece of part four has a wide floral arabesque framing a central panel of geometric units filled with floral motifs. The following folios, which are illustrated, contain two verses from the Surat al-Al-i Imran (The Family of Imran; 11:92-93). Each folio has a series of gold marginal lines extending along the spine together with an inner band filled with a white beaded motif. The three outer edges have a Fame composed of polychrome trefoils and alternate with a single lobed





floral unit. A thick gold braid, accented by gemlike polychrome squares and enclosed by white beaded bands, frames the central rectangle and divides it into three fields. The narrow panels above and below contain an oval unit with kufic inscriptions written in white on a blue ground enhanced with a gold floral scroll. The two upper panels contain the famous verses from Surat al-Waqia: "Certainly this is an honored Koran, in a book that is protected"; the two lower panels state that "this is the fourth juzz of thirty."

The central, almost square, section has three lines of beautifully rendered muhaqqaq script enclosed by contour bands; an arabesque with split leaves, accentuated by large cartouches, appears behind the contour bands. The muhaqqaq, a cursive script with harmonious balance between straight verticals and sweeping horizontals, was used in many Mamluk Korans (see nos. 3–6). Two large gold roundels with the word aya are used as verse-stops on the right half (fol. 2b). Two pairs of larger gold roundels with finials are placed in the margins next to the kufic inscriptions.

These two folios reveal a highly sophisticated sense of design and a superb technical virtuosity in the use of color and form. The understated elegance of the central panel with black used in the text, contour bands, and arabesques and cartouches of the background is contrasted by the sumptuous richness of gold employed in the braid, marginal roundels, and verse stops. The massiveness of the gold braid is counteracted by the delicacy of the white kufic inscriptions and the white beaded bands that enclose the braid and outline the oval units in the narrow panels. The composition is further enriched by the addition of color. Blue is used in the ground of the kufic inscriptions and varying intensities of pink, red, blue, and green. with touches of white, appear in the outer frame. Finally, the two pairs of finials placed in the margins extend the illuminated panels almost beyond the physical boundaries of the folios Throughout the work the artist has provided many striking contrasts: between the rigid white kufic and flowing black muhayqaq; between the loose drawing of the floral arabesque and thick gold braid; and between these last two elements and the painterly handling of the polychrome motifs in the outer frame.

Published Arberry 1967, no. 75.

Note

1. London, British Library, Or, 848 (Lings and Safadi 1976, no. 75, pl. 1x and fig. 75). 2 Double frontispiece Part 12 of 30-volume Koran First quarter 14th century

Height: 27.0 cm. (10\hat{\xi} in.) Width: 19.3 cm. (7\hat{\xi} in.) Written in muhaqqaq script with kufic headings: 5 lines. 37 folios

Dublin, The Chester Beatty Library, мs 1465 (fols, 1b-2a) Purchased 1934

Part twelve of the thirty-volume Koran described earlier (no. 1) has an identical binding and boasts the same high aesthetic and technical standards found in part four. It has a matching binding in dark reddish brown leather, stamped and tooled in gold. In the center of each cover is an eight-lobed medallion with radiating finials, enclosing a geometric unit composed of pentagons: the corner spandrels are lobed and filled with strapwork. The central medallion on the flap is almost identical to the medallions on the covers, except that it is adorned with strapwork instead of pentagons. The stamped doublure of the binding uses the same leather as the exterior: an overall pattern is created by geometric units that radiate from a series of twelvepointed stars and form diverse polygons filled with floral motifs and lotus blossoms.

The double frontispiece has thin gold lines extending along the spine and a wide floral arabesque framing the three outer edges with a series of minute blue finials projecting into the margins. The deep blue ground of this frame is overlaid with a fine mesh of scrolling branches and split leaves rendered in gold and enhanced by red and pink buds that alternate with white and black cartouches. The overall effect resembles gold filigree inlaid with niello and precious gems.





A thick gold braid enclosed by white beaded bands frames the central portion. which consists of geometric units formed by overlapping circles and lobed polygons. The inner white beaded band also outlines the geometric units: it is conceived as a continuous line that loops around the units and creates an intricate maze. The four corner units have a blue ground with gold leaves and buds that are cut off by the frame. The same blue ground with gold florals appears in the central cartouche and four axial units. The central cartouche has a selfcontained arabesque, accented by white and black, similar to the decoration of the outer frame. The four axial units are filled with sprays of blossoms rendered either in red and pink or in two shades of green. The remaining units, variously shaped polygons created by intersecting bands, are painted in two tones of gold; a reddish gold forms the background and a brighter, greenish gold is used in the floral elements.

Although a sense of superimposed planes is created by the blue and gold grounds, the four axial units with polychrome blossoms and the central cartouche with black and white accents appear more prominent, suggesting a third plane. And yet the entire composition reverts to a two-dimensional design when the eye follows the intersecting white beaded band. This hypnotic interplay of background and foreground, principal and secondary elements, is typical of Islamic decoration and finds ultimate expression in the composition of these two beautiful folios.

Published Arberry 1967, no. 76 and pl. 37 (fol. 35a) 3

Double finispiece with Surat al-Ha-Mim al-Sajda (Abbreviated Letters or Fusilat; XLI:41-42)

Copied by Ahmad ibn Muhammad ibn Kamal ibn Yahya al-Ansari al-Mutatabbib in Cairo, April May 1334

Height: 51.0 cm. (20 in.) Width: 36.0 cm. (14\frac{1}{8} in.)

Written in *muhaqqaq* script with kufic headings: 11 lines, 380 folios.

Cairo, National Library, 81 (fols, 377b–378a) From Mosque of Shaykhun al-Amari, 1881

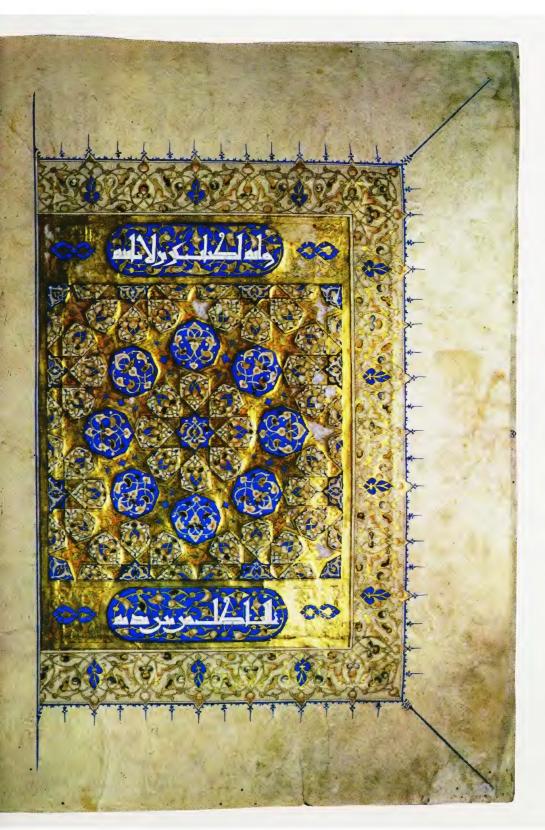
This single-volume Koran, produced during the third reign of Sultan Nasir al-Din Muhammad (1310–41), is one of the rare Mamluk manuscripts bearing a colophon that not only gives the place and date of execution (al-Qahira, Shaban 734) but also the name of the calligrapher (fol. 378b). The artist, justifiably proud of his achievements, has inserted at the end of the manuscript after the colophon a fairly long notation describing his work (fols. 379a–380b). The same name appears in the colophon of another Koran dated 1331 in Cairo.¹

The binding and several flyleaves at the front and back were added later. The first flyleaf (fol. Ia) bears a note stating that the manuscript came from the mosque of Shaykhun al-Amari in 1881, which suggests that the restoration took place sometime before that date.

The original manuscript opens with a double frontispiece (fols. 1b-2a): a wide arabesque frames three sides of the rectangular unit, which is divided into three fields by a braided band: the narrow upper and lower panels contain oval cartouches with kufic inscriptions: the square central unit has a geometric design composed of polygons radiating from a twelve-pointed star, in the center of which is another kufic inscription.

The next pair of illuminated double folios (fols. 2b-3a) contains the beginning of the text. These pages are also divided into three fields: kufic headings are placed in the narrow panels at the top and bottom and five lines of mulaqqqq script, enclosed by contour bands, appear in the central unit. The body of the manuscript is virtually unadorned, with eleven lines of script placed on folios devoid of marginal lines. The last double folio with text is illuminated in the same manner as the first double folio with text that follows the Irontispiece (fols. 376b-377a).²





This double finispiece (fols. 377b-378a) is perhaps the best preserved set of illuminated folios in the manuscript. Almost identical to the double frontispiece, these folios are framed on three outer edges by a floral arabesque, outlined by a thin blue line with minute roundels and finials projecting into the margins. The exaggerated corner finials extend almost to the edges of the folios. The floral arabesque of the frame is composed of scrolling branches with split leaves. blossoms, and cartouches. The muted tones of blue, green, and red accentuating the blossoms and leaves are better preserved on these folios than in the frontispiece. Gold bands enclose a rectangular unit divided into three fields: two narrow panels at the top and bottom have oval cartouches with white kufic inscriptions placed against a blue ground covered with a gold floral arabesque. In contrast to the frontispiece, the central square unit of the finispiece has a series of polygons that radiate from an eight-pointed star and form several rings around the core. The concentric zones are defined by various color combinations: white on blue, gold on gold, and blue on white, each with touches of polychrome.

The intensity of color and the size of the units create a bursting effect comparable to astral formations. Even the arabesques filling the polygons are charged with a force that propels them away from the core. Because the composition extends beyond the restrictive gold frame (which cuts off the elements at the edges), one has the feeling that what is captured and translated into visual form is only a microcosm of a powerfully radiant celestial phenomenon.

The implication of celestial light, stressed by the use of gold and blue—the colors of the heavens—is perhaps the most sophisticated symbol of the omnipotence of the Creator, a befitting finispiece to the Holy Book of Islam. The text included is also an appropriate ending to the manuscript and refers to the Koran: "No falsehood can approach it from before or after; it is sent down by one full of wisdom, worthy of all praise."

Equally emphatic expressions of this energetic centrifugal design can be found in the other contemporary arts, particularly in architectural decoration and in carpets (see nos. 99, 104, and 125–28).

Published Cairo 1969, no. 284 and pl. 52 (fol. 377b). Lings 1976, p. 119 and pl. 63 (fols 376b: 377a) Lings and Safadi 1976, no. 73 (fol. 375b)

Votes

1. Cairo, National Library, 184 2. Lings 1976, pl. 63; Lings and Safadi 1976, no. 73 Double frontispiece with Surat al-Shuara (The Poets: \times \times 192 97 \|\times \times 1370

Donated by Arghun Shah al-Maliki al-Ashrafi

Height: 70.5 cm. (273 in.) Width: 49.5 cm. (194 in.)

Written in *muhaqqqq* script with kufic and thuluth headings: 11 lines, 388 folios

Cairo, National Library, 54 (fols. 1b–2a) From Mosque of Mustafa Chorbaji Mirza (built 1698). 4877

The large size of this manuscript is typical of the single volume Korans executed in the second half of the fourteenth century. Its contemporary binding is made of dark reddish brown leather, stamped and gilded both on the exterior and on the interior. The exterior of the covers contains a central medallion with a series of polygons radiating from a sixteenpointed star. A simple oval cartouche adorns the interior.

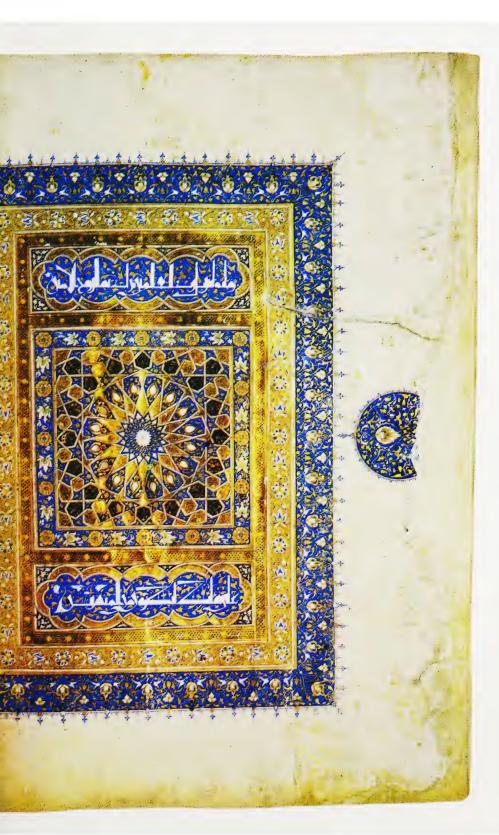
The manuscript, particularly the opening and closing folios, shows damage caused by time and abuse. It has undergone some restoration, with the edges of the pages consolidated by strips of paper.

The work opens with a double frontispiece, followed by another set of illuminated double pages containing the first verses (fols. 2b–3a). In the ensuing folios, the text is enclosed by blue and gold marginal lines and decorated with gold verse-stops and illuminated marginal ornaments and chapter headings; the work terminates with another set of illuminated double folios containing the concluding verses (fols. 387b–388a). The composition of the two sets of illuminated folios with text at the beginning and at the end is identical

A further development of the powerful centrifugal design discussed previously (see no. 3) can be seen in this double frontispiece. The radiating geometric unit in the center is encircled by multiple frames. The wide three-sided frame enclosing the composition and the two large medallions placed in the center of the margins have white and gold floral arabesques, enlivened by touches of black and placed on a blue ground. Alternating lotus blossoms and buds, highlighted with white and pale green, accentuate the arabesque in the frame, while a large solitary blossom appears in the marginal medallions. Both the frame and the medallions radiate with blue finials, a feature typical of Mamluk illumination

The middle frame is composed of a gold scroll with blue, green, and white lotus blossoms intermingled with buds and alternately shown frontally and in profile. The ground of this frame is painted in a lighter tone of gold and trailed on both sides with additional gold bands and white beaded strips. The adjacent border has a dense gold braid that forms occasional knots and almost camouflages its blue ground; it divides the rectangular field into its traditional compenents, two oblong panels above and below a centre somare.





The oblong panels contain a cartouche of five superimposed circles with additional lobes at the sides. A gold floral band and two white beaded ribbons frame the cartouche. White floral sprays on a black ground appear in the interstices. The cartouche bears kufic inscriptions rendered in white and placed on a gold floral scroll with a blue ground.

A blue band adorned with a gold scroll bearing alternating lotus blossoms and peonies encircles the central square. A white beaded ribbon enclosed by gold strips frames this band and outlines the intricate design in the central square. This design evolves from a white sixteen-pointed star radiating from a diffused gold core, the ultimate visual expression of dazzling and blinding celestial light. As the design bursts forth, the color becomes more intense, accentuating the "white" radiation generated by the core.

Three rings of increasingly widening circumference radiate from the sixteen-pointed star, the last one cut off by the frame. The innermost ring, composed of a gold arabesque on a blue ground, terminates with white trefoils. The next zone, a large astral formation. has sixteen elongated diamonds with gold lotus blossoms on a gold ground; enclosing this is a series of pentagons that have gold cartouches on a blue ground with touches of green, white, and black. The third zone is composed of polygons in varying shapes, which through repetition of color and design form two internal rings. The sixteen pentagons of the first ring are painted in reddish brown with green cartouches: they alternate with units decorated with gold on gold and gold on blue. The pentagons of the next and last ring are visible only in the corners; they are identical in design to those in the first ring but have a dark brown ground under the green cartouches.

The artist has displayed remarkable virtuosity in developing throughout the manuscript his compositional theme, first introduced in the stamped decoration on the binding.

The waqf notation gives the name of Arghun Shah, who refers to himself as being in the service of al-Malik al-Ashraf (fol. 1a). Although the title al-Malik was used by all Mamluk sultans, al-Ashraf was employed by only two fourteenth-century rulers: Kujuk (1341-42) and Shaban II (1363-76). The name Arghun Shah was also used by several amirs, one of whom served Sultan Kujuk as Amir of Forty. Although it is tempting to assign the Koran to this Arghun Shah who died in 1349, the style of the frontispiece and the overall conception of the manuscript reveal a closer association with a group of later works commissioned by Shaban II (see no. 5). It seems more likely that the patron of this Koran was an unknown Arghun Shah who served Sultan Shaban and that the work was produced around 1370.

Published Ettinghausen 1962. pp. 173-75. Cairo 1969, no. 286. Lings 1976. p. 119 and pls. 64-65 (fols. 1b-2a). Lings and Safadi 1976. no. 80 and pl. XIII (fol. 2a)

Notes
1. Mayer 1933, p. 77, and Mayer 1937, p. 34

Double frontispiece with Surat al-Waqia (The Event: LVI:77-80)

Part 1 of 2-volume Koran

Donated by Sultan Shaban II to the madrasa of his mother in al-Tabana district of Cairo, March 25, 1369

 $\begin{array}{l} {\rm Height: 75.2~cm, \, (29 \frac{5}{8}~in.)} \\ {\rm Width: 49.5~cm, \, (19 \frac{1}{2}~in.)} \end{array}$

Written in muhaqqaq script with kufic headings: 7 lines, 380 folios

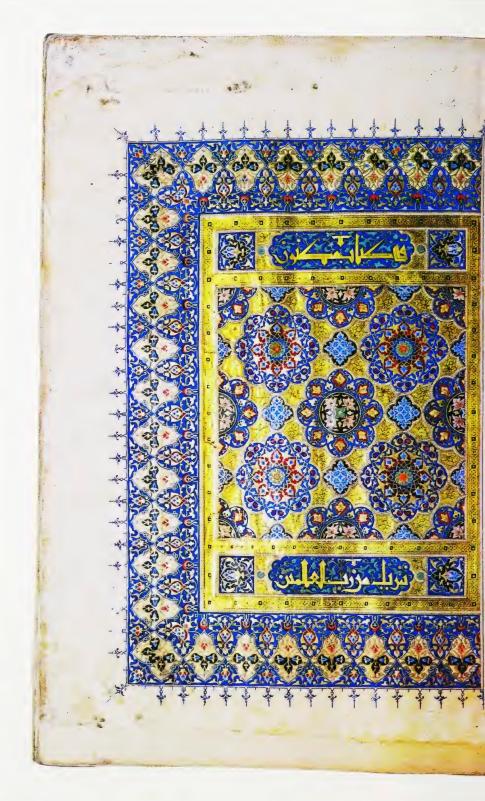
Cairo, Xational Library, 9 (vol. 1, fols. 1b. 2a) From Umm al-Sultan Shaban Madrasa (built 1368-69)

Both Shaban II (1363–76) and his mother. Khwand Baraka, were enthusiastic patrons of the arts and commissioned a number of Korans for their religious foundations. The earliest of these volumes were for Khwand Baraka's madrasa, called Umm al-Sultan Shaban, completed in 1368–69. The sultan donated three Korans to his mother's endowment: two are almost identical in size and were produced as a two-volume set and one is a slightly larger single volume. Khwand Baraka herself commissioned other Korans for her madrasa; in 1368 she donated a thirty-volume set and in the following year she bestowed a single-volume work. Sultan Shaban gave only one Koran to his own foundation (no. 6).

The double frontispiece illustrated here is from the first volume of one of the Korans donated by Sultan Shaban to his mother's madrasa. It displays an unusual composition, using an extensive range of colors and employing a subdued overall pattern in contrast to the explosive and radiant ones seen in the illuminations of other contemporary Korans (see no. 4). It seems almost as though the bursting celestial light has here given way to astral formations that float across the folios, changing ever so slightly in perpetual slow motion. This design represents a different conception of the heavens, less turbulent but equally potent.

Following the established format of the double frontispiece, a wide blue frame encloses the folios on three outer edges, with tiny finials extending into the margins. This frame is adorned with an arabesque scroll, its intersecting branches, rendered alternately in gold and white, forming cartouches filled with floral motifs. Lighter and darker shades of the same color are applied to the leaves, blossoms, and cartouches, producing a threedimensional effect. The execution reveals the artist's understanding of the principles of modeling and their application. The motifs are painted in jewellike tones of greens, blues, and reds (from cool mauve to hot orange red) with touches of black enhancing the vivid palette. Colors are most intense in the center and become paler and more subdued toward the edges, which are often outlined in white.

A gold braid divides the illumination into its three components; the upper and lower oblong panels have kufic inscriptions, while the square in the center contains the astral design. Thin white beaded bands outline the three fields and internal subdivisions. The oblong panels is (1) a central cartouche with gold kufic inscriptions on a





blue ground covered with a green floral arabesque; the square units flanking the cartouche also have a blue ground but are highlighted by a white scroll enclosing a single polychrome blossom.

The composition of the central square is based on the repetition of eight-lobed medallions: one of these appears in the core, surrounded by four similar units: eight others are cut by the frame into halves at the edges or into quarters at the corners. The zones between the medallions are filled with polygons embellished with gold lotus blossoms on a gold ground or quatrefoils decorated with blue florals on a black ground. A white beaded band links the components, underpassing and overpassing while looping around them to create an intricate maze.

The eight-lobed medallions are decorated with slightly different motifs. Each half of the double frontispiece shows a variation in design and color. The central medallion, the four half-medallions on the sides, and the four quarter-medallions in the corners are identical, while the remaining ones have another design. The first group bears four lotus blossoms surrounding a central quatrefoil on a black ground; the outer zone has a blue ground with a gold scroll on top of which are cartouches with lotus buds. Placed around the central medallion are four medallions, which have in the center a peony framed by an elaborate star formation whose golden points evolve into a complex arabesque. The ground alternates between blue, black, and brown.

As in other imperial Mamluk Korans, the frontispiece is followed by an illuminated double folio with the opening verses (fols. 2b–3a). The physical layout of these pages is identical to that of the frontispiece, except that three lines of script appear in the central square. The following folios have illuminated headings, marginal ornaments, and verse-stops with the word aya. Minutely written commentaries are placed diagonally in the margins. The last page (fol. 380b) is also illuminated. The binding dates from the Ottoman period.

The waqf notation, which fills the entire page (fol. 1a), contains a lengthy praise of the sultan and gives his titles and names, al-Malik al-Ashraf Abu'l-Muzaffar Shaban. It also mentions his ancestors: Husein (his father), Sultan Nasir al-Din Muhammad (his grandfather), Sultan al-Mansur Muhammad (his cousin and immediate predecessor), and Sultan Salih (his uncle and predecessor of his cousin). The waqf states that the sultan stipulated that the Koran be placed in his mother's madrasa on the fifteenth day of Shaban 770.

Published

Cairo 1969, no. 289 and pl. 53 (vol. 1, fol. 3b). Lings 1976, p. 120 and pls. 69–70 (vol. 1, fols. 1b–2a, 2b–3a). Lings and Safadi 1976, nos. 82–83 (vols. 1–2) and pl. xv (vol. 1, fol. 2a).

Notes

- Single-volume Koran is in Cairo, National Library, 7, dated 1369 (Lings 1976, pbs. 66-68; Lings and Safadi 1976, no. 81 and pl. xtv).
 Two-volume Koran is in the same collection, 8, waqf dated 1368, copied by Yakuh ibn Khalil in 1336 during the second reign of Sultan Hasan (Lings 1976, pls. 73-74; London 1976, no. 536). The other two-volume Koran also in the same collection, 9 (for part one see published references listed above; part two in Lings and Safadi 1976, no. 83 and fig. 83).
- 2. Only thirteen parts of the thirty-volume Koran have survived; they are in Cairo, National Library, 80. The single-volume Koran is in the same collection, 6 (Lings 1976, pls. 75–77; Lings and Safadi 1976, no. 79 and pl. XII).

6

Illuminated heading with Surat al-Fatiba (The Opening: 1:1-7) and Surat al-Waqia (The Event: LVI:77-80)

Donated by Sultan Shaban II to his complex, with khanga, madrasa, and mosque, near the Citadel in Cairo, May-June 1376

Copied by Ali ibn Muhammad al-Mukattib al-Ashrafi. July 17, 1372

Illuminated by Ibrahim al-Amidi

Height: 73.6 cm. (29 in.) Width: 50.8 cm. (20 in.)

Written in *muhaqqaq* script with kufic headings: 13 lines, 217 folios

Cairo, National Library, 10 (fols. 2b-3a) From Complex of Sultan Qalawun (built 1284-85)

This Koran was donated by Shaban II (1363-76) to his foundation in 1376, four years after it was copied on the fifteenth day of Muharram 774.1 This singlevolume work is almost the same size as the two-volume set commissioned for his mother's madrasa (no. 5). Like the previous example, it was restored at a later date, and its binding dates from the Ottoman period. The endowment notation, set in an illuminated polylobed medallion on the first page (fol. 1a). praises the sultan, lists his titles and name as al-Malik al-Ashraf Abu'l-Muzaffar Shaban ibn Husein, and refers to his famous ancestors. It also states that the work was endowed for his establishment in Muharram 778 and that the sultan himself was responsible for the Koran during his lifetime, after which the task would fall upon the overseer of the foundation.

The overall composition of the double frontispiece recalls the decoration of the previous Koran with a central unit enclosed by four others and surrounded by four half-units at the sides and four quarter-units at the corners. The total effect, however, is remarkably different since these units are decagons radiating from pentagons, and the excessive use of gold is only somewhat relieved by the polychrome elements.²

The next set of illuminated double folios with text is here illustrated. It is subdued and not as dazzling as the frontispiece but reveals an equally refined composition. A wide blue frame overlaid with gold and white scrolls bearing leaves and blossoms surrounds the text on three sides. The scrolls form cartouches alternately filled with black and brown: the black cartouches contain a composite blossom, its petals painted in two tones of blue, green, orange red, and mauve: while the brown cartouches have three golden dots in the center and are embellished with a bright green pendant

The text is framed by a gold braid with touches of color applied to the knots and enclosed on both sides by a white braid. The white beaded band seen earlier lnos. 1–2 and 4–5) has been replaced by a new motif: a braid composed of triple ribbons that knot at regular learners.





The two oblong panels at the top and bottom have an oval cartouche with kufic inscriptions rendered in white against a reddish gold ground overlaid with gold flowers. This cartouche is enclosed by a polychrome floral scroll composed of gold, black, turquoise—a new color in Mamluk Korans and two tones of red on a blue ground. The inscription in the top right eartouche states: "Surat al-Fatiha, the beginning of the book, [containing] seven verses"; the cartouche on the upper left indicates that this chapter was "revealed at Mecca and Medina." Below, on the lower two panels, are the famous verses from the Surat al-Waqia that frequently appear on Mamluk frontispieces and illuminated headings (see nos. 1, 5, and 7). The square units at either side employ the same colors as the central cartouche, their design echoing the theme seen in the frontispiece: a decagon radiating from

It is in the central square that the illuminator, Ibrahim reveals his true talent. As if challenging the fact that he is an accompanyist to the calligrapher, Ibrahim has filled the voids between the exquisite muhaqqaq script in such a way that there is harmonious equality between text and illumination. He has drawn a tight contour band around the letters, disallowing the more generous space allowed by other illuminators (compare with nos. 1 and 8), and covered the space around the script with an overall pattern of concentric semicircles (the so-called wave-pattern), in the center of which are three blue dots. Large composite blossoms and tiny buds, simple and complex split leaves with one leaf folding over another, and clouds with trails and puffy formations rendered in two tones of blue and highlighted by white fill the areas between the tall vertical letters and echo the sweeping movement of the calligraphy. Illuminated verse-stops with the word aya, placed against a reddish gold ground and encircled with a contrasting green line, accent the text. The use of the word aya in the verse-stops was also seen in other Mamluk Korans (see nos. 1-2 and 5). The three lines of text on each folio contain the seven verses of Surat al-Fatiha, preceded by the basmala.

The body of the manuscript has exquisitely illuminated chapter headings, each of which differs in design and contains the numbers of words within that section. The work terminates with a superbly rendered double finispiece with the concluding verses and colophon giving the calligrapher's name (fols. 216b-217a), repeating the format seen in the beginning. The background of these folios is painted a delicate pink and adorned with crosshatching instead of the concentric scrolls seen in other folios. The last page (fol. 217b) contains a statement on the contents of the verses and the name of the illuminator, Ibrahim al-Amidi (from Amid, that is, Diyarbakır in southern Anatolia), set within an illuminated polylobed medallion, identical to the one with

the waqf in the beginning of the manuscript.

Published Cairo 1969, no. 290. Lings 1976, p. 120 and pls. 71-72 (fols. 1b-2a) London 1976. no. 537 (fols. 2b-3a)

1. Sultan Shaban's name appears on three glass lamps and one glass bowl (Wiet 1929, nos. 265-67 and 4055; app. nos. 122-25 and pls. Lix LXI). His name is also found on five metal objects: a key (see no. 33), a ewer and two chandeliers (Wiet 1932, pp. 5, 25, 113, and 275, app. nos. 271 and 278-79, and pl. XXIV), and a tray in London, British Museum, 66-12-29-60.

2. The frontispings is illustrated in Linox 1076, pls. 71, 79.

2. The frontispiece is illustrated in Lings 1976, pls. 71-72

Double frontispiece with Surat al-Waqia
The Event: LVI:77-80)
Part I of 2-volume Koran
Donated by Sultan Barsbay to his madrasa in
the Ambarin district of Cairo, March 16, 1425

Height: $53.6 \text{ cm.} (21\frac{1}{8} \text{ in.})$ Width: $40.0 \text{ cm.} (15\frac{1}{4} \text{ in.})$

Written in naskhi script with kufic headings: 11 lines, 178 folios

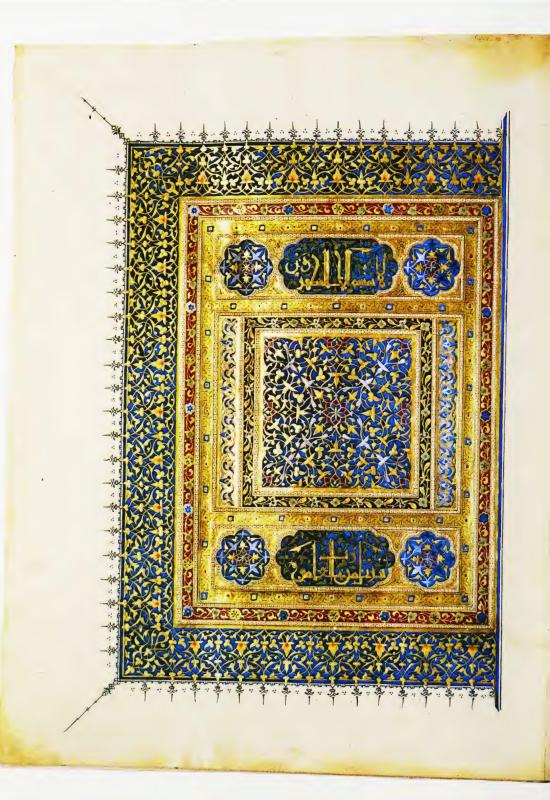
Cairo, National Library, 98 (vol. 1, fols. 1b-2a) From Madrasa of Sultan Barsbay (built 1425), 1882

Sultan Barsbay (1422-38) commissioned several magnificent Korans for his mosquemadrasa completed in 1425. The earliest of these is an almost identical pair of twovolume Korans, both donated in the year the complex was built. Although the first set (nos. 7-8) is of considerably higher quality than the second set, the size of the volumes and style of the illuminations and script are so similar that they must have been executed by the same illuminator and calligrapher or produced in the same studio. Perhaps the only obvious difference is that the second set includes large marginal roundels in the frontispiece and illuminated double folios with text.1

This two-volume Koran was beautifully restored in the beginning of the eighteenth century (see restorer's notation discussed in no. 8). The stamped dark red leather bindings of both parts date from this period as do the additional blank sheets added to the front and back of the volumes.²

The first page of volume one contains the waqf (fol. 1a), which gives the date. Friday, the twenty-fifth day of Rabii II. 828, and the name of the donor, al-Malik al-Ashraf Abu'l-Nasir Barsbay, and states that this two-volume Koran was designated by the sultan for the madrasa he established in the Ambarin (Amber-workers) district in Cairo. It also states that any one who tries to alter the Koran would be committing the greatest sin and would be severely punished by God.

The double frontispiece is slightly squatter in format than those discussed earlier. Its predominant colors are blue and gold, and its basic design is a floral arabesque. The wide blue frame on the three outer edges enclosing the composition is overlaid with a gold floral seroll containing split leaves, buds, and lotus blossoms; the blossoms are highlighted with orange red and golden yellow and outlined in white, creating a three-dimensional effect. A series of minute blue finials and triple dots a tend into the margins; the corner finials are time derably cloreated, reaching to the series of minute blue golden and the corner finials.





A red band, adorned with a gold scroll bearing lotus and peony blossoms painted in gold and varying tones of blue and green, encloses the inner section: ribbons filled with gold and white beaded motifs appear on either side of this band. The inner section is broken into the standard three fields by a bold gold braid, its knots accentuated with gemlike polychrome squares. A beaded white ribbon is used to trace this braid and outline the three panels and their subdivisions.

The two oblong panels above and below have a rich blue ground. The eight-lobed medallions on the two ends are filled with gold and light blue quatrefoils, accentuated by a central eight-petaled blossom painted in red: the central oval cartouche has a jade green scroll, on top of which is a kufic inscription rendered in gold.

The central square is densely filled with gold and white floral scrolls, similar to the decoration used in the eight-lobed medallions. Although there seems to be an overall arabesque filling the square, the basic design principle is not unlike that of earlier frontispieces (nos. 3–5), which contained a radiating central motif encircled by similar elements.

In the core of the square is an eight-petaled blue and red blossom. its white outlines extending to create a large quatrefoil. The frame cuts off eight other blue and red blossoms encircling the central motif. making them appear as halves at the sides of the square and as quarters at the corners. The blossoms in the corners are also enclosed by a white quatrefoil. of which only one-quarter is visible.

A black band filled with a floral scroll identical to the outer red scroll frames the central square. Two vertical gold strips with light and dark blue floral scrolls appear on either side of the square. They compensate for the squat proportions of the frontispiece and transform the central unit into a proper square.

Published

Lings 1976, p. 120 and pl. 78 (fol. 178a) Lings and Safadi 1976, no. 92 (fol. 178a)

Notes

- 1. Cairo, National Library, 96 (Lings and Safadi 1976, nos 90-91). Sultan Barsbay's waqf appears on seven other Korans, four of which were conceived as thirty-volume sets. These thirty-volume Korans are in Dublin. Chester Beatty Library, ms 1451, dated 1413-14 (one page Arberry 1976, no. 99); London, Keir Collection, dated 1423 (one page). B. W. Robinson 1976a, no. vii. 34 and 91, 152); Cairo, National Library, 105, dated 1424, and 99, dated 1427. The single-volume Korans are in Dublin Chester Beatty Library, ms 1496, dated 1429 (Arbert) 1967, no. 100); Cairo, National Library, 93, dated 1432 and 94, dated 1437
- 2. These sheets, one in the beginning and two at the correct volume one, bear a European was smarks optioning a shield with an eagle holding an olive branch and sweed and the words "R Gentile Vittomo.

Double finispiece with Surat al-Falaq [The Daybreak; cxiii:1-5) and Surat al Nas (Mankind; cxiv:1-6) Part 2 of 2-volume Koran Donated by Sultan Barsbay to his madrasa in the Ambarin district of Cairo, March 16, 1425

Height: 54.0 cm. (21¼ in.) Width: 41.3 cm. (16¼ in.) Written in naskhi script with kufic headings: 11 lines, 184 folios

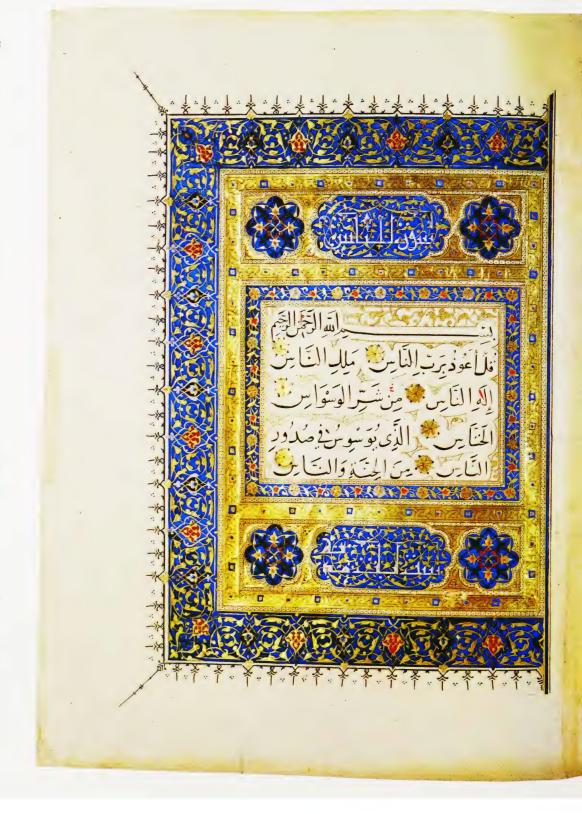
Cairo, Xational Library, 98 (vol. 2, fols. 183b-184a)
From Madrasa of Sultan Barsbay (built 1425), 1882.

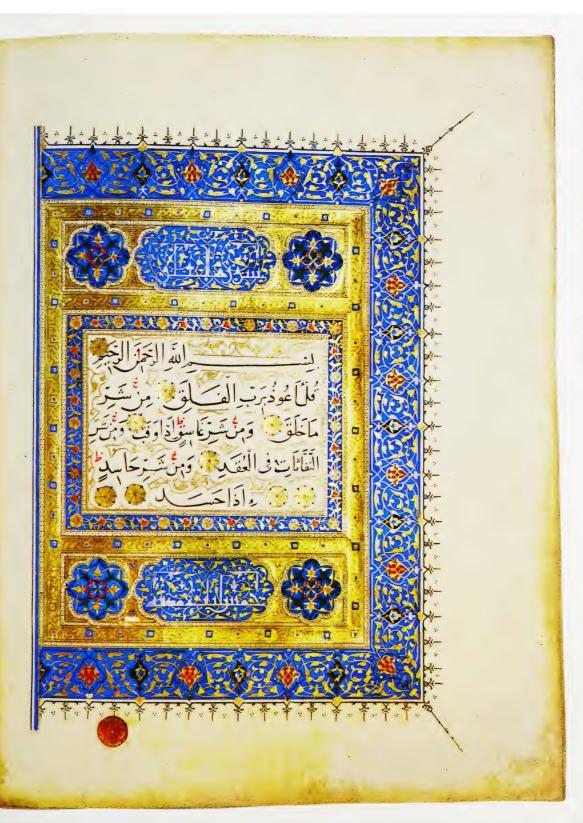
The first folio of volume two of Sultan Barsbay's Koran contains the name of the restorer, Yusuf Mawardy, and the date of restoration, Jumada II. 1113 (November 1701). The restorer was justifiably proud of his conservation efforts, which have enabled this magnificent Koran to remain in an excellent state of preservation. The waqf notation (fol. 2a) has the same wording as the one included in the first volume (no. 7).

Volume two opens with a double frontispiece nearly identical to that in the first volume, the only difference occurring in the central square; here, the blossoms cut off by the sides are enclosed by a white scroll as are those in the center and in the corners. The illuminated double tolios with text and the body of the manuscript with gold chapter headings, illuminated marginal roundels, and verse stops repeat the format employed in the first part.

The second volume of Sultan Barsbay's Koran terminates with a double finispiece followed by an illuminated medallion containing the colophon (fol. 184b), which states that the work was ordered by Sultan al-Malik al-Ashraf Abu'l-Nasir Barsbay

This double finispiece employs the same proportions and design layout as the frontispiece (no. 7). A wide blue band with a gold floral arabesque frames the composition on three sides of each page. A superimposed white scroll weaves in and out of the gold arabesque and forms cartouches aftermitely painted red and black: the black cartouches are turther embellished with lotus blossoms painted in light and dark blue and outlined with white. Tiny blue finials extend in the discounting of the minights.





A thick gold braid, encrusted with gemlike polychrome units, divides the central section into three components. White beaded ribbons frame either side of the braid and define the subdivisions within the three panels. The upper and lower oblongs have a central oval cartouche flanked by eight-lobed medallions. The central cartouches bear foliated kufic inscriptions written in white on a blue ground with a gold floral scroll. The lobed medallions are adorned with gold and green quatrefoils accentuated by a central eight-petaled red blossom. The background of these panels is painted in the same tone of blue that appears in the wide frame and in the thin band enclosing the text. This band is embellished with a gold scroll laden with polychrome lotus and peony blossoms.

The central panel is horizontal and contains five lines of fine naskhi script enclosed by spacious contour bands: the gold floral scroll in the background is barely visible. Illuminated eight-petaled rosettes with colored dots around the lobes serve as verse-stops.

Published Lings and Safadi 1976, no. 93

Double frontispiece with dedication to Sultan Qaitbay

From al-Kawakib al-Durriyya of al-Busiri Circa 1470

Copied by Qanem al-Sharifi

Height: 40.5 cm. $(15^{15}_{16} \text{ in.})$ Width: 30.0 cm. (1113 in.)

Written in thuluth, naskhi, naskh fada, and

riga scripts: 15 lines, 30 folios

Dublin, The Chester Beatty Library, Ms 4168

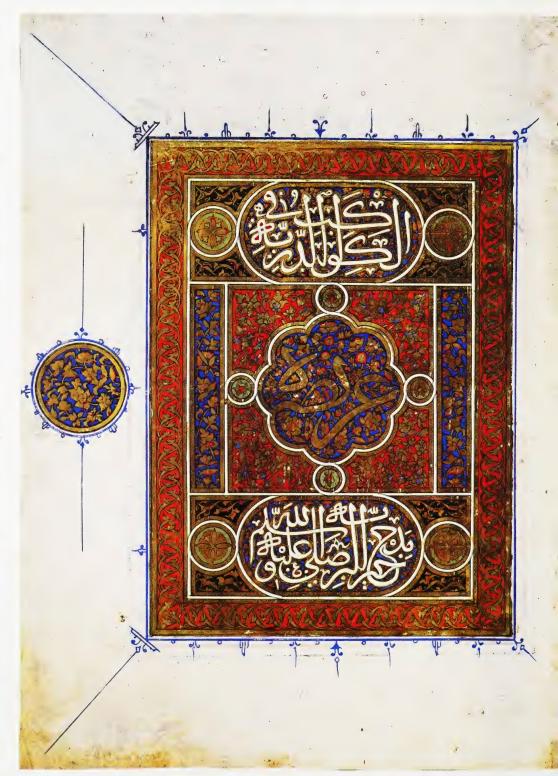
(fols. 1b 2a)

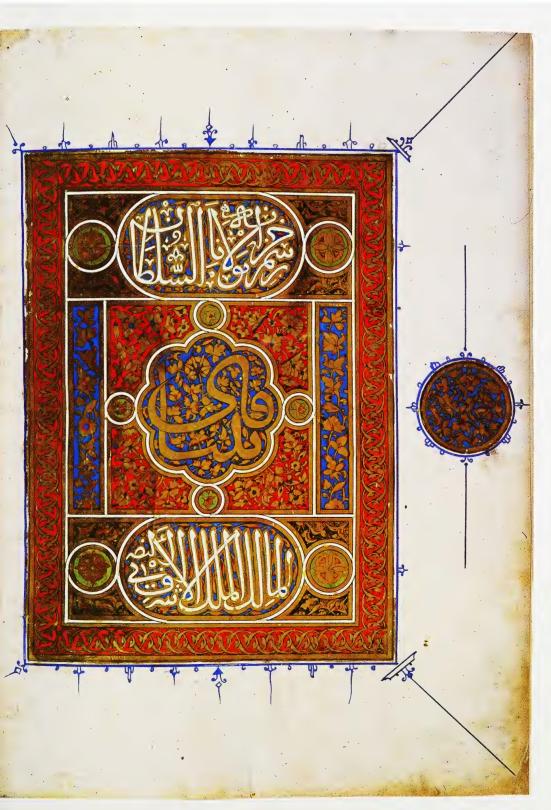
Purchased in Cairo, 1920s

This slim volume consists of a laudatory poem to the Prophet composed by al-Busiri (died 1296). It also includes a takhmis, metrical amplification of the verses, written in a smaller script. With the exception of the double frontispiece and the ensuing pair of folios (each page with five lines of thuluth alternately rendered in gold, red, and blue). the body of the manuscript has fifteen lines on each page. These folios contain a block of three lines of small naskhi script, followed by one line of large naskh fada; written on an angle next to the naskhi is a line of riqu. This combination of large and small scripts is repeated three times on each page. The large naskh fada was used for al-Busiri's poem. entitled al-Kawakib al-Durriyya fi Madh Khair al-Bariyya, also called the Qasidat al-Burda (Ode to the Mantle). This celebrated work is a eulogy commemorating the Prophet for placing his own mantle on the shoulders of a poet when the latter recited a qusida (ode) he had composed in praise of Muhammad. In the Mamluk period it became traditional to increase al-Busiri's work with a takhmis. which literally means "the making of five. This poetic form was constructed by composing four additional verses to rhyme with each line of the qasida, thus making five The verses of al-Kawakib al-Durriyya are always copied in a larger script and the four takhmis lines are rendered in smaller scripts. often in different styles with varying colored inks. In the Dublin manuscript the takhmis is written in blue, green, red, or gold, while al Busiri's ode is transcribed in black ink

This double frontispiece has a striking design, employing gold floral arabesques on bright blue and red grounds, accentuated by white outlines. Tiny blue finials, elongated at the corners, appear around the illumination. 10 the center of the outer margins is a large bliver middle adorned with gold lotus blossotus and buds and enclosed by a gold band and blue border with finials extending on the control axis

In constant to other illuminated folios framed on the Other outer edges of each page





this illumination is self-contained: it is enclosed on all four sides. A red frame. overlaid with a gold braid composed of scrolling split leaves, encircles the rectangular panel and is outlined by several thin gold bands. Gold and white bands divide the composition into a central unit with oblong panels at the top and bottom; the central unit is transformed into a square by vertical strips added to the sides.

The rigid rectangles of the composition are relieved by the circular subdivisions in each unit, boldly outlined in white and gold. An oval cartouche flanked by two roundels appears in the oblong panels; in the center is an eight-lobed medallion surrounded by four small roundels. A blue ground appears in the oblong panels, vertical strips, and eight-lobed medallion; red is used as the ground for the central square. The gold floral scrolls placed on the red and blue fields repeat the themes seen in the marginal ornaments with touches

of color accenting the lotus blossoms and buds. A further contrast is provided by the inscriptions: majestic white thuluth appears in the oval cartouches, while large gold thuluth fills the central medallions. The medallions contain the name of the patron and the benediction "Qaitbay, may his victory be glorious."

The text on the upper right panel states that the manuscript was ordered for the treasury of "our master, the sultan," the lower panel contains Qaitbay's titles, "the royal al-Malik al-Ashraf Abu'l-Nasir." The corresponding panels on the left give the title of the work and conclude with the phrase "God bless him and grant him salvation."

Although this copy is undated, an identical manuscript made for Amir Yashbak, the secretary (dawadar) of Qaitbay, bears the date 1472/73.¹ Both works are so similar in style that they must have been produced at the same time by the same calligrapher and illuminator. Three other known manuscripts with similar takhmis executed during the reign of Qaitbay are also undated.²

Published

Arberry 1955–56, vol. 5, no. 4168 and pl. 140 (fol. 1b). James 1974, fig. 23 (fol. 1b).

otes

- Dublin, Chester Beatty Library, Ms 4169. This volume contains the takhmis of Nasir al-Din Muhammad ibn Abd al-Samad al-Makki al-Fayyumi (Arberry 1955-66, no. 4169).
- 2. One of these, dedicated to Qaitbay, has the takhmis composed by Sharaf al-Din Abu Said Shaban ibn Muhammad al-Kurashi al-Asari (died 1452). The work is in Istanbul, Topkapı Palace Museum, a2303 (Karatay 1962-69, vol. 4, no. 8549). The other was recently auctioned in London (Sotheby 1980, no. 170). The third, in Berlin, Staatsbibliothek, or, fol. 1623, was donated in 1476 to Qaitbay's madrasa (London 1976, no. 576)

Overleaf: detail of no. 5



METALWORK



The art of the Mamluks is possibly best known for the creation of spectacular metalwork, examples of which are among the most cherished possessions of many public and private collections around the world. The Bahri sultans and amirs commissioned an unprecedented number of metal objects, and artists vied with one another to produce larger and more impressive pieces for their patrons. Some examples are so detailed and executed with such finesse that they surpass even the work of illuminators and painters.

The most famous examples of Mamluk metalwork were executed in the fourteenth century, when the art of the metalworker reached its epitome. Artists created delicate pieces for personal use and ostentatious objects for ceremonial functions, decorating them with silver and gold inlay.

In the Burji period, the production of metalwork declined noticeably. Inlaying with precious metals was discontinued, and brass objects were simply engraved with bitumen applied to the background. In the late fifteenth century, copper was also used and often covered with a thin coat of tin.

Bahri Period (1250-1390)

Early Mamluk metalwork shows a continuation of Ayyubid styles and themes (see nos. 10–24). Figural compositions, inscriptions, floral and geometric motifs developed by the Ayyubids flourished under the Mamluks and persisted until the second quarter of the fourteenth century.

Figural compositions include the traditional courtly repertoire of warriors and hunters, musicians and dancers, drinkers and revelers (see nos. 10, 12–14, 18, and 20–23). Figures are also employed to personify planets and constellations of the zodiac (nos. 13–14 and 16).

An assortment of real and fantastic animals is frequently depicted in pairs, with predators chasing their prey (see nos. 10, 14, 16, 18–19, and 21–22), or intermingled with arabesques in which the tendrils of the scrolls terminate with heads or bodies of various creatures (nos. 10–11, 13, 18, 21–22, 24, and 26). One of the most popular animals is the wild duck, shown in flocks encircling medallions or as confronted and addorsed pairs in geometric units (see nos. 16–19, 22–24, and 31). This theme appears to have flourished between the 1290s and the 1320s, lingering on until the middle of the fourteenth century.

The third and most common ingredient of Mamluk art is writing, which is used on almost all metal objects here discussed, the only exception being a candlestand (no. 17). Inscriptions are rendered in a variety of scripts: angular kufic (see nos. 12, 23, 25, and 32), which was at times used as a decorative feature, with letters plaited or foliated (nos. 10 and 16); simple naskhi (nos. 10–13, 18, 20–22, and 32), sometimes animated with letters composed of human and animal figures (nos. 15 and 18); and thuluth, the most characteristic Mamluk script (nos. 14–16, 18–19, and 22–43). Kufic and naskhi, employed in

earlier pieces, were abandoned in favor of the more majestic and hierarchic thuluth, which soon became the favored style of writing.

The evolution of thuluth as the dominant script on Mamluk metalwork coincides with a change in the style of decoration. After the 1320s, bold inscriptions became the main decorative theme (see nos. 25–32). Inscriptions appear in panels interrupted by medallions and in circular formations with the vertical shafts of the letters radiating from the center. Epigraphic blazons containing the sultan's name and title were also inserted into prominent areas of the design.

Geometric motifs and floral arabesques, either used in the background of the figural and epigraphic units or as main themes, are the next most common decorative elements. Various geometric patterns appear in the center of medallions, serve as borders, and cover large areas. Floral motifs, consisting of stylized arabesques and naturalistic lotus and peony blossoms, evolved at the same time as the epigraphic style and survived until the end of the Mamluk period.

Geometry was the basis for the decorative layout of Mamluk metalwork, with surfaces divided into tripartite or quadripartite segments, which in turn were subdivided into multiples of threes and fours. Tripartite divisions soon became predominant, particularly after the development of the epigraphic style (see no. 26). Each segment of the design is interrelated, displaying a syncopated rhythm of geometric units, inscriptions, and decorative motifs. Continuous strips encircle the units and loop around them, creating an intricate maze that defines and unifies the components, similar to compositions in manuscript illumination.

Between 1275 and 1350 the art of Mamluk metalwork reached its apogee. During these years the figural style flourished and the epigraphic style was established. At this time artists responded to an extremely energetic and supportive patronage by creating unique and spectacular pieces. The majority of Mamluk objects bearing signatures of metalworkers dates from this period. The names of seventeen artists from the Bahri period are known; in contrast, there are only five or six signatures from the subsequent Burji period.

Among the outstanding artists was Mahmud ibn Sunqur, who produced an exquisite pen box in 1281 (no. 13); the renowned muallim (teacher or master) Muhammad ibn al-Zayn, who created a magnificent bowl and basin between 1290 and 1310 (nos. 20–21); and Ahmad ibn Husein al-Mawsili, who made a tray (no. 22) circa 1300–1320 for the Rasulid sultan Dawud.

Other great artists known by their works include Ahmad ibn Ali al-Baghdadi, whose name appears on a late-thirteenth-century bowl; Muhammad ibn Sunqur al-Baghdadi, called *ibn al-muallim* (son of the master), who made for Sultan Nasir al-Din Muhammad an oversize hexagonal table in 1327 and a Koran box around the same date, working on the latter with Hajj Yusuf ibn al-Ghawabi; Ahmad ibn Bara al-Mawsili, who in 1322 made another Koran box for the sultan; And Muhammad al-Waziri, the artist of a mirror dedicated around

1340 to Amir Altunbugha.⁵ One should add to this list of metalworkers: Ali ibn Umar ibn Ibrahim al-Sunquri al-Mawsili, who in 1317 made a candlestick; ⁶ Badr ibn Ali Yala, who made a lantern in 1329 for Amir Qusun, cup-bearer of Sultan Nasir al-Din Muhammad; ⁷ and Ahmad al-Hakam, the artist of a mid-fourteenth-century bowl.⁸

One of the more prolific metalworkers was Ali ibn Husein al-Mawsili, whose name is inscribed on three pieces of imperial quality: a ewer made in 1275 for the Rasulid sultan Yusuf, a candlestick dated 1282, and a basin dated 1285.9 The name Ali ibn Hamud al-Mawsili also appears on three pieces: a vase made for Qustah ibn Tudhrah in 1259 and a ewer dated 1274 and matching undated basin dedicated to Amir Atmish al-Sadi. 10 The last two objects, most likely made in Syria, were found with other contemporary pieces of metalwork in 1908 in Hamadan, western Iran. The patrons of the pieces have not been identified, but their Turkish names indicate that they were former mamluks in the service of the last Ayyubid sultan and early Mamluk rulers. Another matching ewer and basin was made by Ali ibn Abdallah al-Alawi al-Mawsili. 11 This set, which is not dated, reveals the same stylistic features of early Mamluk metalwork seen in works of al-Mawsili metalworkers. A significant group of artists working in the early Mamluk period used the nisba (word designating place of origin) of al-Mawsili, meaning from Mosul in Iraq. In addition to the six individuals mentioned earlier, two other metalworkers employed this term: Muhammad ibn Hasan, who made a candlestick dated 1269 (no. 10); and Muhammad ibn Hilal, who in 1275 made a celestial globe. 12 It is difficult to sort out the family relationships between the Muhammads, Ahmads, and Alis who use the same nisba. Only one family appears to be more or less distinguishable: a metalworker named Husein ibn Muhammad al-Mawsili executed a ewer in Damascus in 1258 for the last Ayyubid sultan, Yusuf;13 the artist's ·two sons, Ali ibn Husein ibn Muhammad and Ahmad ibn Husein (who omits his grandfather's name), worked in Cairo, as stated in the inscriptions of their objects dated between 1275 and 1320 (see no. 22). Incidentally, these artists, together with Muhammad ibn Hasan are the only ones to include the names of cities on their objects (see no. 10).

These al-Mawsili artists should be considered as a group of men who worked in a specific style, perhaps associated at one time with the metalwork tradition of Mosul. They display an expert handling of figural compositions and a refined technique. The consistent use of the nisba al-Mawsili long after Mosul and its artistic production fell into oblivion suggests that these men regarded themselves as members of an elite group, perhaps a guild or society. It is quite possible that al-Mawsili was used in the same spirit as the nisba al-Tawrizi (from Tabriz) and al-Shami (from Sham, that is, Damascus) were used by potters. The nisba and the figural style of Mamluk metalwork disappear after the second quarter of the fourteenth century.

The production of metalwork during the Bahri period was extremely prolific, including imperial and ceremonial wares as well as

objects for personal use. Among the extant imperial wares is a group of large basins with matching ewers, some of which were used in Muslim ablution rites, while others were obviously show pieces. The basins (nos. 18, 21, and 26–28) have beautifully decorated exterior and interior surfaces and are often inscribed with the names and titles of patrons. Similar decorations are found on ewers (no. 19), trays (nos. 14 and 22), bowls (nos. 20 and 29), candlesticks (nos. 10, 15–16 and 30), and pen boxes (nos. 13 and 23–24). Mamluk metalworkers also produced candlestands (no. 17), incense burners constructed as globes (no. 11) or domed cylinders resting on three feet (no. 12), rosewater or perfume sprinklers (no. 31), and an assortment of stands for trays, cylindrical boxes, rectangular caskets, vases, mirrors, silver and gold jewelry, and even inlaid butcher hooks.¹⁴

The endowment of furnishings and decorations for religious establishments was a Mamluk practice, and many patrons supplied their foundations with appropriate candlesticks. Koran boxes (no. 25), and lanterns (no. 32). Gifts were also donated to the holy shrines in Mecca. Medina, and Jerusalem (see no. 34). It was the duty and privilege of the sultan to present exquisitely embellished keys to the Kaaba in Mecca (no. 33) and to oversee the maintenance of the sacred buildings. Many religious structures in the capital and in the provinces were enhanced with metal chandeliers, doors, and windows.

The most zealous patrons of art were the descendants of Qalawun and their amirs. Sultan Nasir al-Din Muhammad, who reigned with brief interruptions for almost half a century until 1341, was the most enthusiastic of all. His glorious age is represented by more than ten objects, produced either for him or for his officers (see nos. 18–27).

The court of Sultan Nasir al-Din Muhammad, who established peaceful relations with neighboring states, was frequented by embassies from Western and Eastern powers. These emissaries obviously admired the luxury items in the Mamluk court and reported back to their rulers who requested similar objects. Commissions came from the Rasulid sultans of Yemen who ordered a number of metal and glass pieces (nos. 14, 22, and 50). Another noteworthy client was Hugh iv of Lusignan, king of Cyprus (1324–59). His unique basin, decorated with thuluth inscriptions, was executed in the epigraphic style, which flourished after the second quarter of the fourteenth century.¹⁵

It was also during the age of Nasir al-Din Muhammad that blazons were incorporated into the decorative vocabulary of metalwork. The first true blazon containing the sign of an office is found on Kitbugha's candlestick (nos. 15–16) and displays the cup of the *suqi* or cup-bearer. A tray (no. 14) made during the same period reveals the five-petaled rosette adopted as the blazon of the Rasulid dynasty.

Subsequent pieces, dating between 1300 and 1340, show a full range of both heraldic and epigraphic blazons. Nasir al-Din Muhammad's own epigraphic blazon appears in his large basin (no. 26) and that of his renowned official, Abu'l-Fida, is found on a pen box (no. 24). Hybrid or composite charges employed by the amirs are represented on the basin

(no. 27) commissioned by Qushtimur who used the blazon of his master, Toquztimur.

The epigraphic blazon, which evolved around 1320–30 and became identified with royalty, appears on the rosewater sprinkler made for Sultan Hasan (1347–61, with interruption) as well as on a bowl and candlestick (nos. 29–31). The amirs generally used the signs of their office, as seen on the basin (no. 28) commissioned by Tabtaq, the saqi.

Inscriptions on these objects are indicative of the structure of the Mamluk state and the importance given to the military oligarchy. Dedications include such terms as "the great amir, the defender of the faith, the warrior of the frontiers, the champion of Islam, the victorious, the triumphant" in addition to the usual benediction "the wise, the learned, the just." It is also significant that the imperial epigraphic blazons begin with the words "glory to our master, the sultan," and terminate with the phrase "may his victory be glorious."

Similar wording appears on objects made for ladies of the court. A large candlestick produced around 1345 bears a notation stating that it was made for Fatima. daughter of Shaban I. ¹⁶ A brass bowl, dated around the turn of the fourteenth century, was made for another Fatima, daughter of an amir, and is decorated with the crescent blazon of her father. ¹⁷ A steel mirror, made for the wife of a dawadar, includes the pen box blazon identifying the official as secretary. ¹⁸

The production of metalwork, which exploded during the reign of Nasir al-Din Muhammad, continued to flourish under the patronage of his sons and heirs. Among the most renowned pieces produced in the middle of the fourteenth century are a basin and jug adorned with naturalistic trees. They are dedicated to Sultan Ahmad, one of the sons of Nasir al-Din Muhammad, who succeeded him in 1342 and reigned briefly for several months. A second son. Ismail (1342–45), commissioned a rosewater sprinkler and cylindrical box. Another cylindrical box was made around 1370 for Amir Timur al-Ashrafi, the cup-bearer of Shaban II. This box represents a landscape with animals and the blazon of the owner. In the composition of the owner.

Although Nasir al-Din Muhammad's heirs continued to commission inlaid metalwork, the objects became more intimate in scale. They were made for private rather than ceremonial use, as exemplified by the rosewater sprinkler of Sultan Hasan (no. 31) and an exceptionally beautiful pen box made for Sultan Muhammad (1361–63), his successor. ²² Shaban II (1363–76), the last of the great Bahri patrons, commissioned a key to the Kaaba (no. 33) and several inlaid brass objects, including a magnificent tray. ²³

Burji Period (1382-1517)

Production of metalwork began to decline in the last quarter of the fourteenth century and steadily deteriorated in ensuing years due to a lack of imperial patronage. In contrast to the flamboyant pieces of the early fourteenth century, objects were now conservative in size and decoration.

The small number of signed and dated pieces testifies to the lack of imperial support during the Burji period. Between the middle of the fourteenth and the middle of the fifteenth century, there are no significant objects bearing artists' names. One of the rare late-tifteenth-century signed objects is a small jar with lid made in 1467 by Shir Ali ibn Muhammad Dimishqi. 24 who was working in Syria (see also no. 36). Other Burji metalworkers known by their inscribed pieces include Muhammad ibn al-Kamal and his brother Yusuf, who in 1488 made an iron grille for the mausoleum near Aleppo of Amir Uztimur al-Ashrafi, and Hasan Ahmad, who made a padlock dated 1492. 25

A brief renaissance occurred in the last quarter of the fifteenth century under the patronage of Sultan Qaitbay (1468-96). Brasses inlaid with silver and gold began to be produced for the court, but they were limited in number and were soon replaced by more humble pieces employing less expensive materials. Displaying a remarkable ingenuity, artists made the most of limited resources, producing an interesting series of engraved brass and tinned-copper objects.

Sultan Qaitbay's name appears on a number of basins, bowls, candlesticks, and trays. One of his most beautiful pieces is a bowl inlaid with silver and gold. Other objects made for the sultan are either inlaid with silver or simply engraved, with bitumen applied to the background. Among the silver inlaid pieces is a large bowl (no. 35) with articulated base, a feature characteristic of the period. Engraved designs appear on a large candlestick (no. 34) donated by the sultan in 1482/83 to the Mosque of Medina. Similar metal pieces were commissioned by the amirs of Qaitbay's court and his wife Fatima, who is known to have ordered several objects, including a silver inlaid ewer made in 1496 by Ahmad. This famous piece, recalling four-teenth-century themes, is decorated with inscriptions, bands of real and fantastic animals, and panels with cypresses and flowering trees and quadrupeds and flying ducks.

Copper and tinned-copper objects, mostly trays, lunch boxes, and bowls, became popular at the turn of the sixteenth century. These pieces (nos. 38–39) are not without artistic merit and display a certain technical finesse. Two metalworkers are associated with these wares: Ahmad al-Sab, who made a tray, and Rustam ibn Abu Tahir, who made a bowl. 28

Objects made for the Burji court are generally inscribed with the usual repertoire of honorific and benedictory phrases, such as "the royal, the just, the defender of the faith . . . may his glory be victorious." A different type of inscription appears on bowls and basins (nos. 37–38) made for anonymous and most likely nonroyal patrons. They contain lofty phrases praising the vessel or the owner. The inscriptions are poorly written, often rendered in two registers. The pieces are devoid of heraldic emblems and were probably mass-produced for the middle classes without specific patrons in mind.

Blazons of the Burji Mamluks, found on objects made for the court, consist of a circular shield divided into three fields filled with an

assortment of cups, napkins, pen boxes, and powder horns (no. 39). In many cases emblems are superimposed, such as a cup charged with a pen box. Identifying the entire class of ruling elite, the same blazon was used by the sultan and his amirs. ²⁹ Ladies of the court also used the composite blazons of their fathers and husbands, similar to the practice observed in the Bahri period. ³⁰

In contrast, the sultans had exclusive use of the epigraphic blazon, which also had a circular shield divided into three fields, each filled with inscriptions (see nos. 34–35). This tradition was established during the reign of Qaitbay and continued until the end of the Mamluk empire. Some of Qaitbay's metalwork bear both collective and epigraphic blazons.

One of the most important duties of Mamluk metalworkers was to supply the army with arms and armor. A suit of Mamluk armor consisted of helmet, mail shirt, stockings, leggings, and boots with spurs. The warriors carried swords, daggers, and knives as well as bows and arrows, spears, maces, axes, and shields. Although the majority of Mamluk arms and armor date from the Burji period, representations of amirs on metalwork produced in the early Bahri period provide useful information regarding the types of weapons used in the thirteenth and fourteenth centuries (see nos. 18 and 20–23). The best collection of late Mamluk arms and armor, consisting of both ceremonial and utilitarian weapons dates from the reign of Qaitbay to the end of the Mamluk period and is housed in the Topkapi Palace Museum in İstanbul. The National Museum in Florence is also rich in Mamluk arms, particularly helmets.

Among the earliest datable helmets is one made for Sultan Barsbay (no. 41). Burji helmets were tall and conical with a plume socket at the apex; they were supplied with nasals and peaks as well as ear and neck guards. Helmets were made of iron or steel, adorned with incised or gilt inscriptions and arabesques. The plates on the coat of mail contained similar decorations, and at times even the links were embellished with inscriptions. The only surviving brigandine (coat worn over armor) is a long-sleeved jacket made of a very strong fibrous material covered with red velvet and encrusted with brass nails. ³² The inscription on the collar states that it was made for Sultan Jaqmaq (1438–53).

The most formidable Mamluk weapon was the sword, called *sayf* in Arabic, which was used in battles, hunting expeditions, tournaments, and other court functions.³³ The blade of the sword was made of steel, often decorated with gilt inscriptions praising the owner as the "father of the poor and the miserable, killer of the unbelievers and the polytheists, reviver of justice among all" and concluding with the standard phrase "may his victory be glorious" (see no. 42).

The importance given to arms is further confirmed by the offices assigned to various weapon-bearers and the use of weapons on blazons. The *silahdar* (sword-bearer), one of the most important officials in the Mamluk court, used the representation of the sword in his blazon. The bow identified the *bunduqdar* (bowman); the ax was used by the

tabardar (ax-bearer or halberdier); and the mace was assigned to the jumaqdar (mace-bearer). Mamluk weapons have not been properly studied and only one of the late-fifteenth-century axes containing a composite blazon has been thoroughly published.³⁴

The insignia of the sultans and officers were used on their banners, standards, and shields as well as on arms and armor, blankets, baggage, and tents (see no. 124). Although no banners have survived, the existing standards (see no. 43) show that victorious benedictions, Koranic phrases, and blazons were frequently employed. One of the earliest standards bears the name of Barquq, 35 while a great many date from the end of the fifteenth century. Also dating from the end of the fifteenth century is a shield with composite blazons; it is one of the extremely few surviving examples. 36

The life of the Mamluks was preoccupied with horsemanship and chivalry in both battles and tournaments. It is, therefore, not surprising that they developed such a high technology in the production of arms and armor and an elaborate system of furusiyya or military games and tactics (see no. IV).³⁷

During military campaigns and ceremonies the sultans and Amirs of Forty had the privilege of being accompanied by their own *tablakhana* (military band), composed of various drums, trumpets, cymbals, and other percussion instruments. The drum with sticks and the trumpet were used as the blazon for members of the *tablakhana*.

Among the surviving drums is a silver inlaid bronze example dedicated to al-Malik al-Nasir, its decorative style suggesting the period of Sultan Hasan.³⁸ Another drum, also inlaid with silver, bears an inscription with the name al-Malik al-Ashraf, which may refer to Sultan Qaitbay.³⁹ Inscriptions on Mamluk drums (see no. 40) contain phrases similar to those on swords, indicating that they were a part of military equipment.

The tradition of Mamluk metalwork had a strong impact on the arts of neighboring states. Early Ottoman metalwork shows many shapes and decorative features developed by the Mamluks. Their influence is observed on sixteenth-century Venetian art in a series of buckets, bowls, trays, and handwarmers executed either by Muslim artists who emigrated to Venice or by local metalworkers trained by them. Derived directly from late-fifteenth-century Mamluk art, "Veneto-Islamic" metalwork employs the same techniques and decorative vocabulary found on pieces made during the reign of Sultan Qaitbay.

Mamluk metalwork was also imitated in Ming dynasty ceramics made for export to the Near East. One of the most curious copies is a fifteenth-century blue-and-white porcelain stand found in Damascus.⁴¹ Other blue-and-white Chinese wares imitating Mamluk metalwork include basins, ewers, stemmed cups, jugs, flasks, pen boxes, and lunch boxes.⁴²

The tradition of metalwork established during the sultanate of Nasir al-Din Muhammad was revived in the nineteenth century. Two of the most ostentatious pieces frequently reproduced are a large hexagonal table and a box for a thirty-volume Koran, both originally made in the 1320s by Muhammad ibn Sunqur. ⁴³ A pair of these tables, now in the Topkapi Palace Museum, is recorded as having come from the complex built in Gebze around 1520–30 for Çoban Mustafa Paşa. This official served as the governor of Egypt in 1522 and his foundation in Gebze reveals a strong Mamluk influence. The Palace records do not, however, indicate when the tables were installed in the complex. It is possible that some of these late copies, such as the İstanbul pieces, were made in Egypt in the sixteenth century, while others were produced in Egypt or Syria in the nineteenth century.

Although the box was definitely functional (it was originally intended to protect a thirty-volume Koran and was later made into a chest), the purpose of the hexagonal table remains ambiguous. Called a kursi (lectern) and thought also to be a Koran case, it is around 80 centimeters ($31\frac{1}{2}$ inches) high and has a diameter of 40 centimeters ($15\frac{3}{4}$ inches); the body is pierced and the interior has a shelf, accessible through a small double door. If it ever served as a Koran box, the manuscript placed on the shelf would have been much smaller than the Korans produced during the fourteenth century. The inscriptions on both the original table and its copies are secular, containing lengthy praises of the sultan. It is more likely that the piece was used as a decorative furnishing and served as a floor lamp, an incense burner, or even as a food warmer.

Notes

- For metalworkers see Mayer 1959; al-Mawsili artists are discussed in D. S. Rice 1957.
- 2. London. British Museum 78 12-30 691
- 3. The hexagonal table is in Cairo, Museum of Islamic Art. 139 (Cairo 1969, no. 61 with full bibliography): the Koran box is in Berlin, Museum für Islamische Kunst, 1886 (published in several places, including Berlin 1971, no. 19 and fig. 69; London 1976, no. 214).
- Cairo, Library of al-Azhar Mosque (Cairo 1969, no. 60 and pl. 9).
- İstanbul, Topkapı Palace Museum. 2/1786 (Mayer 1959, p. 74; Aslanapa 1977, p. 75 and fig. 6).
- 1959, p. 74; Aslanapa 1977, p. 75 and fig. 6). 6. Athens, Benaki Museum (Mayer 1959, p. 38).
- Cairo, Museum of Islamic Art, 509 (Mayer 1933 p. 186; Mayer 1959, p. 39).
- 8. East Berlin, Staatliche Museen (Mayer 1959, p. 28). The following should be added to the list of metalworkers: Sad al-Din al-Isirdi, designer of coins under Sultan Aybak: Ali ibn Abu Bakr, who made a candlestick in 1288: Muhammad ibn Yusuf, who made another candlestick in 1340: and Hamid, who made a tray in 1345 (Mayer 1959, pp. 81, 32, 74, and 43, respectively).
- The ewer is in Paris, Musée des Arts Décoratifs; the candlestick is in Cairo. Museum of Islamic Art. 15127; and the basin is in Paris. Louvre (Mayer 1959, pp. 34-35)
- 10. The vase is in Florence, National Museum; the ewer and basin are in Tehran, Gulistan Palace Museum (Mayer 1959, pp. 33–34; Pope and Ackerman 1964–67, pp. 2496–98 and pls. 1341–42; see also pls. 1332 and 1334).
- 11. East Berlin, Staatliche Museen (Kühnel 1939).
- 12. London, British Museum (D. S. Rice 1957, pp. 325-26).
- Paris, Louvre, 7428 (Mayer 1959, p. 46; Paris 1971, no. 152; Paris 1977, no. 273).
- 14. The few published examples of Mamluk jewelry include two gold bracelets, one of which has a sword blazon, and a silver ring with the sign of the *jamdar* (master-of-the-robes). These are in Cairo, Museum of Islamic Art. 14802, 15471, and 16355 (Cairo 1969, nos. 20 and 22, pl. 2b). A number of bracelets are also in Damascus, National Museum (Damascus 1976, p. 210). The butcher hook, in Paris, Louvre, 7082, was made for Umar in the second half of the fourteenth century (Paris 1977, no. 317).
- Paris, Louvre, Mao 101 (D. S. Rice 1956; Paris 1971, no. 165; Paris 1977, no. 491; Welch 1979, no. 23)
- Paris, Louvre, 5005 (Paris 1971, no. 166; Paris 1977, no. 101).
- 17. Athens, Benaki Museum (D. S. Rice 1952).
- London, British Museum 1960 2-15 1 (London 1976, no. 228).
- Basin is in Cairo, Museum of Islamic Art, 15921 (Cairo 1969, no. 76); the jug is in the same collection, 15126 (D. S. Rice 1953a; Cairo 1969, no. 68; London 1976, no. 221).
- Cairo, Museum of Islamic Art, 15115 and 15169 (Izzi 1974, figs. 2-6).
- Paris, Louvre, 7438 (D. S. Rice 1953a; Paris 1971, no. 169).
- Cairo, Museum of Islamic Art. 4461 (Cairo 1969 no. 80 and pls. 16a-b; London 1976, no. 224).

- For a ewer and two chandeliers see Wiet 1932, pp. 5, 25, 113, and 275; app. nos. 271 and 278-79, and pl. xxiv. The tray is in London, British Museum, 66 12-29 60.
- İstanbul, Topkapı Palace Muscum. 2/2160 (Mayer 1959, p. 83 and pl. xtv).
- 25. Mayer 1959, pp. 43 and 70.
- 26. Istanbul, Museum of Turkish and Islamic Arts (Güvemli and Kerametli 1974, p. 48). For other objects bearing Qaitbay's name see Wiet 1932, app. nos. 355-77; Melekian-Chirvani 1969.
- London, Victoria and Albert Museum, 762–1900 (Mayer 1959, p. 27; D. S. Rice 1953a, pl. vi).
- Mayer 1959, pp. 30 and 80, pl. XII. See also Allan 1969 and 1971 for trays and lunch boxes made in the same style.
- 29. Meinecke 1972 and 1974.
- 30. D. S. Rice 1952.
- Several Mamluk helmets and other arms and armor are published in H. R. Robinson 1967, pls. IX-XII.
- 32. Florence, National Museum (Mayer 1952, pl. x).
- 33. A. Zaki 1966.
- 34. Nickel 1972.
- İstanbul, Topkapı Palace Museum (Mayer 1952, p. 103).
- 36. Kalus 1975
- 37. Ayalon 1961; see also Ayalon 1977 and 1978.
- 38. Berlin, Museum für Islamische Kunst, 1 10162 (Berlin 1965, no. 46). Another silver inlaid drum is in London, British Museum, 1966 10–19 1.
- 39. Paris, Louvre, 3780 (Paris 1977, no. 422).
- 40. Among the artists working in Venice were Ala al-Din al-Birjandi, Muhammad Badr, Mahmud al-Kurdi, Muhammad, Qasim, Umar, and Zayn al-Din (Mayer 1959, pp. 31-32, 56-58, 63-64, 67, 78, 87, and 91, pl. xv; Atıl 1975, no. 79).
- 41. London. British Museum, 1966 12–15 1 (Carswell 1966).
- 42 See Gray 1940 and Carswell 1972b. One of the Ming dynasty ceramics imitated an Ayyubid canteen. Both pieces are in Washington, D.C., Freer gallery of Art, 58.2 and 41.10 (Pope 1959; Atıl 1975, no. 28).
- 43. A Koran box and a pair of hexagonal tables are in Istanbul, Topkapı Palace Museum, 21/729 (Cığ 1978). Another table is in Damascus, Azem Palace Museum, and a fourth example is in Philadelphia, University Museum (Dam 1928). The Semitic Museum, Cambridge, Mass., also owns a Koran box and a hexagonal table. A number of these tables are currently on the market.



Inscriptions Band on shoulder:

> للمش محلما بن حسن للوصلي رحمه ألله تعالى عسال تنصد المحروسه في سنة تمان وستين وسنهائه هجريه له العز والبقاء

Engraved by Muhammad ibn Hasan al-Mawsili. may God have mercy upon him. Made in Misr. the protected, in the year six hundred and sixty and eight Hijra [4.D. 1269]. To [the owner] glory and long life

This squat candlestick is the earliest dated example of metalwork made under Mamluk rule in Cairo. It is adorned with bands and medallions filled with animal and human figures, inscriptions. geometric motifs, and floral arabesques reminiscent of Ayyubid metalwork. The socket has a floral scroll framed above and below by a beaded band. The neck is covered with latticework filled with geometric motifs arabesques, and seated figures. The figures in the five central quatrefoils hold tambourines, lutes and cymbals. Between the quatrefoils are small roundels decorated with strapwork.

A chevron ring joins the neck and shoulders. The shoulder has three concentric bands: the inner band bears the inscription giving the date. name of the maker, and place of execution; the central one is filled with plaited kufic; and the outer one has a frieze of running animals interrupted by six strapwork roundels. Each unit of this band has three quadrupeds running to the left, in the same direction of the script.

The main portion of the body contains a plaited kufic band interrupted by five polylobed medallions. The core of these medallions has a beaded band enclosing a geometric design radiating from a six-pointed star; framing this band is a floral arabesque with heads of real and fantastic creatures. Animals appear in the two narrow horizontal bands encircling the central portion: at the top, separated by strapwork roundels, pairs of quadrupeds face each other; at the bottom, placed between the roundels, are two pairs of confronted animals. A plain ring, followed by a floral scroll, encircles the top and bottom bands. The foot has a chevron ring identical to the one seen at the base of the neck.

A significant portion of the silver inlay has disappeared; the gold inlay, used only in the strapwork roundels and in the core of the large medallions, is mostly intact.

The most remarkable feature of the candlestick are the extremely well-rendered figural compositions: the musicians on the neck quadrupeds on the shoulder and body, and animal heads. Even though the proportions of the piece are rather awkward, the style of execution forms a link between late Ayyubid and early Mamluk art.

The artist, who calls himself naqqash (decorator. designer, or engraver), has added the nisbaal-Mawsili (from Mosul) after his name. This nisba was used in the Ayyubid period to designate a group of metalworkers who associated themselves with the famous workshops of Mosul, which flourished in the first half of the thirteenth century. It is difficult to determine whether the maker of this candlestick (or his family) actually came from Mosul or whether the artist was using the name of that city to identify the style of his work. Metalwork signed by al-Mawsili artists is distinguished by impeccable technique with elaborate compositions employing a rich repertoire of inscriptions, geometric and floral arabesques, and, most significantly, figural compositions. Muhammad appears to have been quite proud of his work, as is evident from the use of the word naggash, which frequently occurs on metalwork made by al-Mawsili artists, although it is more appropriately used on manuscript illumination and illustration. He may have used al-Mawsili in the same spirit, attempting to associate his work with the renowned figural style of Mosul

In addition to the illustrated candlestick several other early Mamluk pieces signed by al-Mawsili artists were produced in Cairo. including a ewer made in 1275 by Ali ibn Husein ibn Muhammad for Yusuf (1250-95). Rasulid sultan of Yemen (see also no. 14):2 an exquisite candlestick made in 1282 by the same artist;3 a basin made in 1282 by Ali ibn Husein: and a large tray (no. 22) made for the Rasulid sultan Dawud (1296-1322) by Ahmad ibn Husein al-Mawsili.

Incised inside the body is the name of al-Sayvid Ismail ibn Muhammad, who must have owned this candlestick at a later date.

Published Répertoire, vol. 12, no. 4609. Migeon 1900, p. 26. Berchem 1904, p. 22 Herz 1906, pp. 182–83, no. 9 and fig. 34. Herz 1907, pp. 170–71, no. 9 and fig. 33. Wiet 1932, no. 1657, app. no. 81 and pl. XXVII. Wiet 1932a, p. 79. Kratchkovskaya 1935, p. 197. Kühnel 1939, p. 11, no. 16. Taymur 1942, pp. 111, 211, note 388, Lamm 1952-54, p. 89 and fig. 9. Hasan Abd al-Wahhab 1955, p. 556. D. S. Rice 1955, p. 206, no. 5. D. S. Rice 1957, p. 325, note 19, p. 326, no. 18, Mayer 1959, pp. 68–69.

- A candlestick with an identical shape but slightly different decoration is in Naples, Duca di Martina (Naples 1967, no. 11
- and fig. 7). Paris, Musée des Arts Décoratifs (Wiet 1932, p. 48, no. 9). Cairo, Museum of Islamic Art, 15127 (Wiet 1932, p. 48, no. 10 and p. 185, no. 94; Wiet 1932a, p. 79 and pl. XIII).
 Paris, Louvre (Mayer 1959, pp. 34–35).

Pierced globe Brass: inlaid with silver Circa 1270 Made for Badr al-Din Baysari

Diameter: 18.4 cm. $(7\frac{1}{4} \text{ in.})$

London. The British Museum, 78 12-30 682 Henderson Bequest, 1878

Inscriptions Band at apex:

> بدر الدين بيسرى الظاهري السعيدي الشمسي المنصوري البدري Badr al-Din Baysari, [officer] of al-Zahir al-Said, al-Shamsi al-Mansuri al-Badri.

Band on rim of upper hemisphere:

مما عمل برسم المقر الكريم العالى المولوي الاميري الكبيري المحترمي المخدومي اسفهسلاري المحاهدي المرابطي المثاغري المؤيدي المظفري

One of the things made for the honorable excellency, the sublime master, the great amir, the revered, the masterful, the chief of the armies, the defender [of the faith], the warrior [of the frontiers], the protector [of the frontiers], the supporter [of Islam], the victorious.

Band on rim of lower hemisphere: Identical to that at rim of upper hemisphere, except that the seventh word المولوى (the master) is omitted.

Band at base: Identical to that at apex, except that the phrase عز نصره (may his victory be glorious) is inserted between the names al-Shamsi and al-Mansuri.

This pierced globe, constructed of two identical hemispheres joined by a bayonet fitting, is empty and lacks the coal pot and gimbals commonly found in globular handwarmers and incense burners. The size is unusually large for a handwarmer, and the loop at the apex suggests that it was suspended. The piece—most likely used as a hanging ornament—was possibly filled with incense, the fumes of which escaped through the holes

Each hemisphere is divided into four concentric zones: the rim or widest ring in the middle has an inscription band on a floral arabesque; the next zone has five large pierced medallions representing a double-headed eagle; the units between the medallions are filled with floral scrolls and have a central roundel decorated with geometric motifs radiating from a six-pointed star (see also no. 10). Another inscription band on a floral arabesque appears at the top, while medallions at the apex and base are pierced and adorned with an arabesque formed by five double-headed eagles and lion-headed masks. Continuous strips of silver

encircle the inscription bands and loop around the pierced medallions, unifying the diverse segments of the piece.

The silver inlay applied to the globe is completely intact. The only units not inlaid are the geometric roundels between the five large pierced medallions, the designs of which are engraved on brass. Roundels filled with geometric motifs were often inlaid with gold to accentuate the composition (see, for example, nos. 10, 13–16, 18–19, and 23–24). A similar effect is created on this globe by leaving these roundels in brass, which appear "golden" when polished.

The piece was made for Badr al-Din Baysari, one of the important Syrian amirs in the early Mamluk period. Originally employed by the last Ayyubid sultan, Baysari entered the service of the Mamluks after the Ayyubids were overthrown. The inscription on the globe refers to two of his Mamluk masters: al-Zahir (Baybars 1, 1260–77) and al-Said (Baraka Khan, 1277–79). This powerful amir was twice offered the Mamluk

throne, which he refused, preferring to remain an officer. He was imprisoned by Qalawun but reinstated by the next sultan, Khalil, under whom he served as Amir of One Hundred, Badr al-Din Baysari died in 1298 and was buried in Cairo.

The double-headed eagle, a popular motif adopted as a blazon by several Mamluk sultans, was used in Syria and Anatolia during the twelfth century as an imperial symbol and ornamental motif (see also no. 12). Its use on the globe is purely decorative and does not constitute a heraldic emblem.

Published
Lane-Poole 1886, pp. 209–13 and fig. 81 (small format):
pp. 174–77 and fig. 81 (large format).
Migeon 1907, vol. 2, p. 204 and fig. 160.
Migeon 1927, vol. 2, p. 70 and fig. 249.
Wiet 1932, app. no. 87.
Mayer 1933, p. 112.
Barrett 1949, pp. xtv–xv and xxiii and pl. 22.
London 1976, no. 210.

Incense burner Brass: inlaid with silver Second half 13th century

Height: 17.0 cm. (611 in.) Diameter of base: 8.6 cm. (3\frac{3}{2} in.)

Cairo, Museum of Islamic Art, 15107. Purchased 1945 Ex-Harari Collection, 168



Inscriptions Band at apex of lid:

لعز الدائم والعمر السالم والاقبال الزائد لصاحبه

Eternal glory and safe life and increasing prosperity to the owner.

Three panels on body (repeated 3½ times): Eternal glory العز الدائم

The most popular shape and possibly the most functional luxury object in Islamic metalwork is the incense burner with domical lid surmounted by a knob attached by hinges to a cylindrical body resting on three legs with rounded feet. The shape, which can be traced to the Coptic period, also appears in Byzantine art; similar examples were made in Iran as early as the

This incense burner, which lacks its original handle, has a domical lid divided into three concentric zones. An inscription band appears at the apex and a braid encircles the lower edge. The wide panel in the center is decorated with six large medallions placed on a geometric ground composed of τ -fret patterns. Three medallions have pierced arabesques and alternate with those representing a double-headed eagle, the tips of its outstretched wings terminating in animal heads.

The body also reveals a tripartite composition and T-fret pattern. It contains three large medallions connected with kufic bands. Six-petaled rosettes appear in the center of the units above and below the inscriptions. One of the large medallions is bare, indicating where the original handle was attached. The remaining two medallions represent riders galloping to the left. placed against a floral scroll ground. The chevron ring at the base is interrupted by three bold legs firmly planted on large pawlike feet; scrolls with leaves adorn the legs and feet. The lid and body are outlined by continuous strips of silver that loop around the medallions and rosettes. linking them with the horizontal bands.

The double-headed eagle on this piece was most likely used as a decorative element and not as a heraldic emblem, similar to its representation on the previous example (no. 11). The six-petaled rosette, thought to be a symbol of royalty employed by the Ayyubids and the house of Qalawun, should also be considered as a decorative motif since the inscriptions lack any reference to an

This piece belongs to a group of early Mamluk metalwork that relies on themes—such as medallions with riders, overall τ -fret patterns, chevrons, and braided bands—developed in the Ayyubid period. One of the comparative examples was produced in 1243/44 and is attributed to Mosul:2 another, dated late thirteenth or early fourteenth century, is assigned to Syria.³ The Cairo incense burner is stylistically between the two and should be dated second half of the thirteenth century

This type of incense burner found its ultimate expression several generations later. One of the renowned examples, representing lively riders. was found in 1966 at Qus in upper Egypt. 4 The most spectacular incense burners were made for Sultan Nasir al-Din Muhammad (1293-1341, with interruption) and were lavishly inlaid with silver and gold.5

Aga-Oglu 1945, pp. 32–33 and fig. 7 Pope and Ackerman 1964-67, vol. 12, pl. 1338c

- 1. For a detailed discussion of this type see Aga-Oglu 1945
- 2. London, British Museum, 678–1878 (Aga-Oglu 1945, p. 32, fig. 6; Barrett 1949,
- 3. New York, Metropolitan Museum of Art, 17,190,1716 (Aga-Oglu 1945, p. 37, fig. 13).
- Aew York, Metropolitan Museum of Art, 17, 190, 1716 (Aga-Oglu 1945, p. 37, fig. 13).
 Cairo, Museum of Islamic Art, 24078 (El-Emary 1966, pp. 123-27 and pls. xix-xx).
 There seem to be three of these incense burners. The first, formerly on loan to the Victoria and Albert Museum, London, is now in a private collection (published in a number of places, including Ross 1931, pl. 317; Wiet 1932, app. no. 185; Aga-Oglu 1945, p. 37, fig. 14). Aga-Oglu mentions two other examples, one of which was in the Rothschild Collection (Aga-Oglu 1945, pp. 204 and 206, nos. 195 and 202)

13

Pen box

Brass: inlaid with silver, gold, niello

1281

Made by Mahmud ibn Sunqur

Height: $3.2 \text{ cm.} (1\frac{1}{4} \text{ in.})$ Length: $19.7 \text{ cm.} (7\frac{3}{4} \text{ in.})$ Width: $4.3 \text{ cm.} (1\frac{11}{16} \text{ in.})$

London, The British Museum, 91 6-23 5 Purchased 1891

Ex-Rhode-Hawkins Collection

Inscriptions Under hasp:

عمل محمود بن سنقر في سنة ثمانين وستمائه

Work of Mahmud ibn Sunqur in the year sixhundred and eighty [A.D. 1281].

This small and exquisitely detailed pen box is constructed in two parts: the lid is attached to the body by two hinges at the back and fastened by a frontal hasp: the hinges and hasp have filigree designs and silver studs. With the exception of the missing inkpot, the piece is intact and in an excellent state of preservation.

The upper surface of the lid has three large medallions, each encompassing four roundels bearing symbols of the zodiac together with the signs of the planets in whose domiciles they fall. The medallions contain (beginning with the roundel on the far right and moving counterclockwise): I Aries with Mars (ram with warrior holding a severed head). Taurus with Venus (bull with lute-player). Gemini with Mercury (only one of the twins is shown: the man on the left holds a scroll).

and Cancer with the moon (crab and figure with a crescent); 2 Leo with the sun (lion and radiating disc). Virgo and Mercury (one figure holding an ear of corn and another reaping grain). Libra with Venus (balance and figure with a lyre), and Scorpio with Mars (figure holding scorpions); 3 Sagittarius and Jupiter (fused together as an archer). Capricorn with Saturn (goat with figure carrying a sickle). Aquarius and Saturn (fused as an old man holding a pickax at a well), and Pisces and Jupiter (figure with a fish and a ewer [?]).

The zones between the medallions are filled with a fantastic arabesque scroll containing the heads, torsos, and bodies of diverse animals. In the center of each zone is a lobed floral cartouche; on its four corners are roundels filled with geometric motifs radiating from a tiny bead.

The underside of the lid contains seven medallions within an oval cartouche. With the exception of the one in the center, each medallion depicts a seated figure symbolizing a planet and holding its attributes. Beginning on the right, they represent: Saturn (sickle and fruit), Jupiter (ewer or bottle), Mars (helmeted figure with sword and severed head), the sun (face enclosed by radiating disc), Venus (lute-player), Mercury (scribe with pen and scroll), and the moon (figure holding crescent).

The outer sides of the body have a floral scroll containing heads and torsos of long-eared animals, similar to that on the sides of the lid. The scroll is interrupted by five cartouches representing dancers, drinkers, and musicians; arabesques fill the cartouches placed around the hinges and the hasp. The name of the artist and the date are written in the square panel in the front, which is hidden under the hasp when the lid is closed.

Inserted at the bottom of the pen unit is a filigree plate decorated with a floral arabesque with animal heads. The inner sides of this unit bear a similar design, broken by four small medallions, each representing a musician holding a lute, tambourine, lyre, or flute. The inkpot was obviously detachable and has been removed.

A most beautiful decoration appears at the bottom of the case, which has three large medallions adorned with geometric motifs. The two units between the medallions represent four riders: one of them portrays a pair of warriors bearing lances, while the other depicts a couple of hunters confronted by a rabbit, lion, goose (?), and two intertwined dragons. The ground of these units is filled with an arabesque scroll bearing fantastic creatures. A floral border including flying cranes appears around the edge, accentuated by six geometric roundels.

The pen box with its rich composition is impeccably executed, lavishly inlaid with silver and gold, enhanced with niello. Gold accents the turbans and boots of the figures, appears in the geometric roundels, and highlights the arabesques.

Published

Ripertoire, vol. 13, no. 4803.
Berchem 1904, p. 38.
Pedersen 1928, p. 107
Christie 1931, p. 119 and fig, 20.
Wiet 1932, app. no. 93
Hartner 1938, p. 136 and figs, 13-15
Briggs 1940, p. 35.
Aga-Oglu 1945, p. 37, note 83, p. 43, note 135.
Barrett 1949, pp. xviii and xxiv and pls, 32-33
M. H. Zaki 1956, no. 494 and fig, 494.
Mayer 1959, p. 60
Pope and Ackerman 1964-67, vol. 6, p. 2521, no. 13; vol. 13, pls, 1336 a.
Baer 1973-74, fig, 31 and p. 45.
Hartner 1973-74, pp. 109-12 and figs, 4-5
London 1976, no. 202



14 Tray

Brass: inlaid with silver

Circa 1290

Made for Yusuf, Rasulid sultan of Yemen

Height: 8.0 cm. (31 in.) Diameter: 55.5 cm. (21 § in.)

Cairo, Museum of Islamic Art, 15153 Purchased 1945 Ex-Harari Collection, 12

Inscriptions Band on rim

> العز الدائم العمر السالم والاقبال الزائد ولدولة الباقية السلامة الكاملة الامر النافذ والدولة الباقية السلامة الكاملة الامر النافذ والخبر القادم الكرامة الكاملة الراحة العالية والدولة والامر النافذ والغالب الكاملة الكرامة والاجر الزائدا ونغالب والاقبان الزائد والدولة السائدة والسلامة ولكامنة والعسر السالم والامر اللافذ وإلجد الصاغد والعالى والكرامة السعد الغالب والامر الدفذ وإلجد الصاعد والدين المساعد والكرمة له والعافية الامر الثافذ ولكرمة العالية واللوام لصاحبه

Eternal glory, safe life and increasing prosperity and enduring state, perfect safety, long-lasting command and enduring state, perfect safety, long lasting command and advancing riches, perfect honor, tranquility, exaltation and wealth and longlasting command and victory and perfection and honor and increasing rewards and victory and increasing prosperity and happy state and perfect safety and safe life and long-lasting command and growing fortune and sublimity and happy honor, victory, and long-lasting command and growing fortune and happiest rewards and honor to him and health, long-lasting command and sublime honor and perpetuity to the owner.

Twelve panels on walls

عز لمولانا السلطان الملك * المظفر العالم العامل * العادل الغازي المجاهد ا * لمرابط المؤيد المظفر المنصور * سنطان الاسلام * قاهر الخوارج و * لمتسردين قاتل الكفره والمشركينَ * محى العدل في العالمين حامى * حوزه الدين يد الملوك والـ * سلاطين حامل السيف * والعلم المؤيد العالم وا * لعلم الملك المظفر يوسف بن عمر

Glory to our master, the sultan al-Malik al-Muzaffar, the learned, the efficient, the just, the champion [of Islam], the defender [of the faith], the warrior [of the frontiers], the supporter [of Islam |. the victorious, the triumphant, sultan of Islam, conqueror of the heretics and the rebellious, killer of the infidels and the polytheists, reviver of justice among all, protector [and] preserver of religion. [right] hand of the kings and the sultans, bearer of the sword and the knowledge, the supporter of the learned and the knowledge, al-Malik al-Muzaffar Yusuf ibn Umar.

Six panels on inside:

The sublime excellency, the master, the great amir, the wise, the royal supporter, the upholder of the needy, the heroic defender, the counselor, may his glory be eternal.

Sultan Yusuf (1250-95), second Rasulid ruler of Yemen, must have been a devotee of Mamluk art as there exist several other pieces of metalwork that bear his name.1 The only dated and signed example is a ewer made in 1275 in Cairo by Ali ibn Husein ibn Muhammad al-Mawsili.2 This sultan also ordered a candlestick, a brazier, and five trays, one of which is illustrated here.3

Four concentric rings of varying width divide the tray. The innermost zone has a central medallion representing a radiating disc with a lion, symbolizing the sun with Leo (see also nos. 13 and 16). Surrounding medallions enclose six figures holding symbols of the planets: the moon (crescent), Mercury (scroll and pen), Saturn (sickle and fruit [?]), Venus (lute), Mars (sword and severed head), and Jupiter (bucket or well).

The next ring consists of a band adorned with fifteen quadrupeds running clockwise and divided into three equal units by roundels filled with geometric motifs.

The third ring is the widest and contains six large medallions representing hunters or couples participating in courtly entertainment. The hunters are mounted, their horses facing right while the figures themselves turn back; they spear a lion attacking the rump of the horse, shoot at a gazelle with a bow and arrow, or carry a hawk. The alternating medallions depict couples placed on benches; they play a flute and a tambourine, dance to the accompaniment of a lyre, or hold beakers. The interstices are subdivided into three units: in the middle is an inscription panel; the upper and lower sections contain roundels depicting a hawk attacking a bird.

The fourth ring repeats the second but depicts twice as many animals; geometric roundels break this panel into six parts, each with five quadrupeds running clockwise. The animals in both rings include lions, foxes, hares, gazelles, bears, bulls, sphinxes, and a solitary elephant.

The shallow cavetto or inner walls of the tray bears a lengthy inscription divided into twelve parts by five-petaled rosettes, the heraldic emblem of the Rasulid dynasty.

The everted rim is decorated with two bands: the inner band contains a continuous inscription, and the outer one has a beaded band.

Continuous thin ribbons encircle the concentric zones and loop around the medallions and roundels, unifying the diverse segments of the piece. The background is filled with two types of floral designs: a dense overall arabesque and a spiral scroll.

The piece has suffered considerably through time and abuse, and almost all of the silver inlay has disappeared.

The decorative and figural themes follow the style developed during the first half of the thirteenth century under Ayyubid rule. Models of astrological symbols and princely themes must have been readily available to the Mamluk artists.

Published Wiet 1932, p. 71, no. 9.

Votes

- 1. Rasulid pieces are published in Berchem 1904; Dimand 1928. p. 107, fig. 8; Dimand 1931. For objects bearing Sultan Yusuf's name see also Wiet 1932. p. 76. 2. Paris, Musée des Arts Décoratifs (Wiet 1932, p. 48, no. 9; Dimand 1944, p. 151).
- 3. The candlestick is in Lyons, Musée des Beaux-Arts, D. 569 (Melekian-Chirvani 1970, fig. 1). The brazier is in New York. Metropolitan Museum of Art, 91.1.540 (Dimand 1931, pp. 229–30, 236, fig. 1: Dimand 1944, p. 151, fig. 90). Trays, not illustrated in the text, are owned by Cairo, Museum of Islamic Art. 3155 (Wiet 1932, pp. 69–76, pl. xxviii) and 4022 (Wiet 1932, pp. 103–4 with earlier references, and pl. xxviii; Cairo 1969, no. 54). Two other trays are in Paris, Louvre and Vasselot Collection (Wiet 1932, p. 76).



15 Socket and neck of candlestick Brass: inlaid with silver, gold Circa 1290 Made for Zayn al-Din Kitbugha

Height: 14.5 cm. $(5^{11}_{16}$ in + Diameter of lip: 8.5 cm. $(3^{5}_{16}$ in.)

Cairo, Museum of Islamic Art. 4463 Purchased 1917 Inscriptions
Three panels on socket:

م عس برسم فشتحاه المقر الألعان مونوي تربعي ربن الله الدين كنف منصوري لاشرقي

One of the things made for [the] storeroom [or pantry] of the sublime excellency, the master, al-Zayni Zayn al-Din Kitbugha, [officer] of al-Mansur al-Ashraf.

Band on neck:

ُعز والبقا والظفر بالاعداء Glory and long life and triumph over enemies.



This socket and neck unit belong to the famous candlestick made for Zayn al-Din Kitbugha while he was an officer in the service of Sultan al-Mansur al-Ashraf Khalil (1290–93). Although Kitbugha, who ascended the throne in 1294, was deposed in 1296 by an amir named Lajin, he continued to hold important posts until his death in 1303. His name appears in three other inscriptions, all of which predate his sultanate, as indicated by the honorific titles used in the text.

Since candlesticks were generally made in two sections soldered together, the upper portion with the neck and socket frequently broke off from the base. The socket and neck unit of this candlestick must have become detached before 1917, at which date it was acquired by the Museum of Islamic Art in Cairo. The base (no. 16) is now in the Walters Art Gallery in Baltimore.

The socket is adorned with two pairs of rings placed at the rim and base: the ring at the lip is decorated with an arabesque scroll, while the others are embellished with chevron patterns. The recessed bands between the rings have beaded designs. The wide central portion of the socket contains an inscription broken into three parts by roundels filled with geometric motifs radiating from a series of minute dots. A loose floral scroll forms the background of the inscription.

The neck, which terminates in a chevron ring. has two identical bands placed above and below the center. The outer band is decorated with lancet leaves and the inner contains a meander pattern. The wide central portion has an exquisitely rendered animated inscription with sixteen human figures intermingled with ducks and birds. Their torsos and arms form the shafts of the letters, their legs are transformed into scrolls terminating with the heads of lions, gazelles, and humans. The figures hold an assortment of objects, including arrows, spears. shields, ewers, and possibly, a tray. A halo surrounds each turbaned head. This unit, cast as a single piece, is lavishly inlaid with silver. Gold is applied to the geometric roundels of the socket and to the meander pattern bands of the neck

Animated inscriptions were highly developed in the late Ayyubid period, the most outstanding example found on a canteen, dated around 1250 in the Freer Gallery of Art in Washington, D.C.² This particular style of writing continued to be practiced in the Mamluk period (see also no. 18).

Published
Comité 1922, p. 509.
Wiet 1930, pl. 44.
Wiet 1932, no. 4463 and pls. XXIV and cover.
M. H. Zaki 1948, p. 556 and fig. 453.
Mostafa 1961, p. 29 and fig. 43.
Melekian-Chirvani 1970, pp. 48–49.

Notes 1. Wiet 1932, p. 126, 2. Atıl 1975, no. 28.



Inscriptions
Three panels on body

مى عمل برسم طشتحاه الفر عالى الدار الله الله الماري الكبيرى الغازى المحاهدي أنعاله الداريني العالم كتبغا المنصوري الاشرمي

One of the things made for [the] storeroom [or pantry] of the sublime excellency, the master, the great amir, the champion [of Islam], the defender [of the faith], the just, al-Zayni Zayn al-Din Kitbugha, [officer] of al-Mansur al-Ashraf. The base of Amir Kitbugha's candlestick is just as exquisitely decorated as the socket and neck. It employs a richer decorative repertoire, including astrological symbols, bands of running animals, and heraldic emblems.

The inclusion of blazons on the piece helps to confirm the date proposed for the top section (no. 15). The rounded shields enclose a bar placed over a stemmed cup, indicating that the owner was the saqi of the sultan. Kitbugha was known to

have held that office before ascending the throne. Although the saqi blazon was used by Kitbugha after he began his sultanate, the inscriptions on the candlestick do not refer to the owner as a sultan. The choice of honorifies reinforces the fact that the piece was commissioned while Kitbugha was serving Sultan Khalil (1290–93).

The shoulder of the candlestick has an outer band with a frieze of eighteen quadrupeds divided into six panels by roundels with geometric motifs



radiating from six-pointed stars (see no. 11). The animals-including cheetahs, bulls, lions, bears, foxes, hares, gazelles, and a solitary elephant—are depicted running counterclockwise. The inner band contains twelve roundels, each of which originally represented one of the constellations of the zodiac together with the associated planets (see nos. 13-14). Four of the medallions have been damaged and are now covered with copper plugs, which obliterate the compositions. Surviving medallions show Aries with Mars (ram with warrior holding sword and severed head), Taurus with Venus (bull and luteplayer), Gemini (?), Cancer with the moon (crab with figure holding crescent), Leo with the sun (lion with radiating dise), Virgo (?), Libra (figure holding balance), Scorpio (figure holding scorpions), Sagittarius (?), Capricorn with Saturn (goat with figure holding sickle and fruit), Aquarius (figure at well holding jar), and Pisces (?). Floral arabesques appear behind the figures and fill the zones between the medallions

The body has a pair of chevron rings at the top and bottom, which enclose a recessed scroll composed of the heads of gazellelike animals. The foot contains two additional rings, one of which bears a floral scroll. The wide portion between the rings is divided into three horizontal bands. The narrow upper and lower bands contain foliated and plaited kufic inscriptions, each intersected by six roundels adorned with geometric motifs radiating from a series of dots (see no. 18). The central and main band has a hierarchic thuluth inscription placed on a floral arabesque ground, broken by three large medallions. The medallions are enclosed by scalloped frames with sixteen plump ducks flying in alternating directions. In two of the medallions, the ducks at the top are replaced by a harpy or a griffin. The circular shields in the center of the medallions contain the blazon of the cup-bearer, inlaid in copper and placed on a silver field. This is the only area that employs copper inlay; silver is lavishly used all over the piece; gold is reserved for the roundels with geometric designs, identical to those decorating the socket and neck

One of the outstanding features of this candlestick is the variety of script styles: ordinary thuluth and animated naskhi appear on the socket and neck; plaited kufic and majestic thuluth are seen on the body.

The kufic inscriptions on the upper and lower bands of the base have been only partially deciphered. The phrases that could be read bestow the traditional benedictions found on Ayyubid and Mamluk metalwork: "the great, the learned, the conqueror, the defender (of the faith), the triumphant, the just."

Published Mayer 1937, p. 61 and pl. VIIa. Melekian-Chirvani 1970, pp. 48–49 London 1976, no. 211. 17 Base of candlestand Brass: inlaid with silver, gold Late 13th century

Height: $6.0 \text{ cm.} (2\frac{3}{8} \text{ in.})$ Length: $13.4 \text{ cm.} (5\frac{1}{4} \text{ in.})$

New York, Madina Collection, M12

Diminutive candlestands were most likely produced for private dwellings in contrast to the large candlesticks that served ceremonial functions and were often used in religious structures. It is in the decoration of these small and unassuming pieces that the artists really excelled, both technically and aesthetically.

The little base originally had a tall shaft inserted into the hole at the top. A comparable example in the Louvre bears the titles of an amir in the service of Sultan Nasir al-Din Muhammad.¹ The shaft of the Louvre piece is accentuated with three rings and surmounted by a shallow tray, which had a tapered central pin used to affix the candle. The diameter of the tray equals the length of the pyramidal base, and the total height is $4\frac{1}{2}$ times that of the base. If the Madina candlestand were complete, it would have been about twenty-eight centimeters (eleven inches) high. The shapes of these candlestands go back to Seljuk and Ayyubid times and were often of varying size.

The pyramidal base of the Madina candlestand rests on three heavy legs with pawlike feet, reminiscent of those seen on contemporary incense burners (see no. 12). The top has a hole in the center with triangles filling the three corners. Each of the three sides is decorated with a central roundel enclosing a six-petaled rosette inlaid in gold. The remaining areas are filled with a floral scroll, its tendrils terminating in four plump ducks

that fly toward the rosette. The execution of the ducks recalls those represented in the polylobed medallions on the base of Amir Kitbugha's candlestick and on a ewer (nos. 15–16 and 19).

A cartouche filled with arabesques hangs down from the center of the lower edge of each side, balancing the legs and the heavy proportions of the feet. The legs are faceted and decorated with scrolls and anklets; the feet are also adorned and have slightly upturned toes.

The delicacy of the decoration of the base is contrasted with the bold and splayed feet that firmly grasp the ground, providing support for the tall shaft and wide tray.

The ducks are portrayed with charm and whimsy; the same facile approach is seen in the execution of the feet, with anklets and upturned toes injecting a touch of humor and diminishing the clumsy effect. During the last decade of the thirteenth century an interest in the representation of ducks appears and continues until the middle of the fourteenth century (see nos. 18–19, 22–24, and 31).

The six-petaled rosette is thought to be a royal symbol associated with the house of Qalawun. Its parallel can be seen in the five-petaled rosette adapted as the family blazon by the Rasulids of Yemen (see nos. 14, 22, and 50). Although the placement of the six-petaled rosette on the candlestand suggests a heraldic emblem, swirling petals were not used in blazons. The rosette on this piece appears to have been employed as a decorative element.

Unpublished

Notes

 $\begin{array}{l} 1.\ Paris,\ Louvre,\ 7440;\ height\ 30.8\ cm.\ (12_k\ in.),\ diameter\\ 13.2\ cm.\ (5_{16}^{3}\ in.)\ (Wiet\ 1932,\ p.\ 10,\ no.\ 20,\ app.\ no.\ 168;\\ Paris\ 1971,\ no.\ 162;\ Paris\ 1977,\ no.\ 319). \end{array}$







18 Basin Brass: inlaid with silver, gold Circa 1300 Made for an anonymous patron

Height: $18.5 \text{ cm } (7\frac{1}{4} \text{ in.})$

Diameter of rim: 42.5 cm. $(16\frac{3}{4}$ in.)

London, Victoria and Albert Museum, 740-1898 Purchased 1898

Inscriptions

Six panels on exterior:

عز لمولانا الملك المالك العالم ا* لعادل المجاهد الغازى المرابط* المثاغر ركن الاسلام والمسلمين كهف* الظعفا [sic] والمسكين تاج الملوك وا* لسلاطين محى العدل في العالمين* ناصر الحق بالبرامين والعز الاقبال لصاحبه

Glory to our master, the king, the royal, the learned, the just, the defender [of the faith], the champion [of Islam], the warrior [of the frontiers], the protector [of the frontiers], pillar of Islam and of Muslims, protector of the weak and the paupers, crown of kings and sultans, reviver of justice among all, defender of truth and proof, and glory and prosperity to the owner.

Four bands on rim:

العز والاقبال داما والبقا لك ايها المولى الكبير الشان * السعد والجدد ... ماد الفضل والاجاد *

انت الذي طاع الملوك لامره وتباشرت لقدومه الثكلان * ...

Perpetual glory and prosperity and long life to you, the master [of] great fame. Happiness and good fortune and glory . . . prolonging and superabundance and goodness. You are he whose orders kings obey and at whose approach the bereaved rejoice. . . .

Four bands on inner walls:

العز والاقبال داما * لك ايها المولى الكبير الشان * الصاده الدامه * البقا لصاحبه ادا [sic]

Perpetual glory and prosperity to you, the master [of] great fame, eternal happiness, long life to the owner.

Two panels on inner walls:

عز داما * الاقبال العلى

Perpetual glory, sublime prosperity.

Among the largest and most impressive objects produced by the Ayyubid and Mamluk metalworkers is a group of basins that are almost identical with slightly flaring sides and wide everted rims (see nos. 21 and 26–28). The proportions are consistent, averaging twenty centimeters (almost eight inches) in height and forty-five centimeters (about eighteen inches) in diameter, giving a ratio of 1:2\frac{1}{4}. This basin, whose shape is typical, has an unusual decorative repertoire and, in contrast to other examples, rests on three rounded feet. Varied decorative themes





appear inside the rim, while a subdued design with bold inscriptions adorns the exterior.

The thuluth inscription on the exterior is placed against a floral arabesque and divided by six strapwork roundels. The surrounding area is sparsely decorated with triangular cartouches and knotted pendants.

The decoration of the rim is quite remarkable. It is almost a sampler of diverse styles of script. decorative motifs, and figural compositions. Two bands frame the rim: the outer band contains a floral scroll, the inner one is divided into eight units alternately filled with inscriptions and latticework. The lozenge units of the latticework enclose a pair of ducks. The wide panel below has eight large medallions, alternately depicting a rider and a lunar figure. The four riders are placed against a floral ground and turn toward the lunar figures. They wear turbans, knee-length robes, and boots and ride galloping horses. One rider holds a hawk while a dog runs below; another turns back and swings his sword to defend himself against a leopard (or tiger) that has leaped onto the rump of his horse: the third turns back to shoot with his bow and arrow at a bird, which is crammed into the medallion: the last figure repeats the defensive act of the second rider against an attacking lion. The lunar figures in the four alternate medallions are identical: a figure sits crosslegged and holds up with both hands a crescent in front of his torso. Six superimposed semicircles form a net around the figures; the triangles adjacent to the figures are filled with strapwork, while pairs of confronted ducks appear in the outer units.

The eight panels between the medallions also have alternating themes. Four of them are filled with a lattice design, its lozenge units adorned with strapwork or confronted ducks: in the center is an oblong cartouche bearing an inscription.

The remaining four panels employ two compositions: two panels have standing figures bearing arms, while the other pair is decorated with animated inscriptions. The warriors are dressed in the same fashion as the riders and lift up one leg as if marching to the left: three of them hold axes, two bear swords, and a single figure carries a spear. The two panels with animated inscriptions have real and fantastic animals chasing one another in and out of the script: hawks, ducks, and lions intermingle with harpies. sphinxes, and griffins. The script is not fully animated since the letters, which begin or terminate with animal and human heads, are intact. In fully animated inscriptions, the figures themselves form letters, each part of the body designating a stroke (see no. 15). Nevertheless, it is a particularly difficult script to read.

Below this zone are three narrow bands. The first has four units with three animals running to the left, interrupted by four panels containing pairs of confronted ducks. The second shows a

plaited kufic inscription. The last is embellished with loose arabesques, similar to those on the exterior. A series of lancet leaves extends to the base

The interior of the base is exquisitely decorated. The design consists of overlapping semicircular bands radiating from a six-petaled central rosette. The units in the first register are filled with strapwork, arabesques, or pairs of ducks. In the outer and wider zone, the units are larger; some contain geometric roundels in the center of arabesques, others have two pairs of ducks, and twelve of them depict seated figures holding beakers or playing lutes, flutes, and tambourines. This is the only portion of the basin that has lost most of its inlay.

Gold inlay appears in the strapwork units on the exterior, interior, and base. The remarkable preservation of the silver inlay, with very few large pieces lost on the body, suggests that the basin was cherished and carefully handled to preserve its decoration.

The basin was thought to have been made for either Baybars I (1260–77) or Baybars II (1309–10), both of whom took the title Rukn al-Din. This attribution is highly doubtful since the phrase used on the basin is rukn al-islam (pillar of Islam), and the reign titles of these two sultans, al-Zahir (Baybars I) and al-Muzaffar (Baybars II), are noticeably absent. The wording of the inscription is ambiguous; it omits al-sultan which is standard on imperial dedications, but includes several other royal benedictions, and concludes with the phrase "to the owner," suggesting that the piece was made for an anonymous patron.

Unpublished

19 Ewer Brass: inlaid with silver, gold

Circa 1300

Made for an anonymous amir

Height: 46.0 cm. $(18\frac{1}{8}$ in.) Max. diameter: 24.5 cm. (95 in.)

Cairo, Museum of Islamic Art, 15089 Purchased 1945 Ex-Harari Collection, 8

Inscriptions Upper band on neck:

The honorable excellency, the sublime master, the royal, the great amir, the champion [of Islam]. the defender [of the faith].

Ring on neck (repeated 3 times): Glory.

Lower band on neck

The master, the royal, the great amir, the champion [of Islam], the defender [of the faith], the warrior [of the frontiers].

Band on shoulder:

Made for the honorable excellency, the sublime master, the great amir, the defender [of the faith].

Upper band on spout:

The excellency, the sublime master.

Lower band on spout:

The honorable excellency, the sublime master.

Although this ewer has undergone a considerable amount of abuse, even after it was repaired in the Ottoman period, the beauty of the original design is still preserved. In its pristine condition, the piece must have been extremely impressive, harmoniously blending inscriptions, floral decorations, and bands with running animals.

The ewer was constructed in several pieces, including a socketlike mouth, neck, handle, spout, and body. The neck, handle, and spout consist of two parts joined by rings; these joints have been broken and the rings date from a later restoration.





The mouth contains two rings with floral designs; the upper one is damaged and slightly askew. Between them is a recessed panel decorated with lotus blossoms and buds, divided by three roundels containing two pairs of confronted and addorsed ducks.

The neck is divided into three units: the upper and lower portions contain an inscription on a floral ground; the ring in the middle, dating from the Ottoman period, bears another inscription divided by three arabesque medallions. The neck joins the shoulder with a series of ten scallops filled with floral motifs. The shoulder has a zone of oversize inscriptions on a floral ground. Below this is a band with fifteen running animals, interrupted by three geometric roundels. The animals move toward the left and represent winged sphinxes and such quadrupeds as bears, wolves, gazelles, hares, lions, foxes, and bulls. The tapering lower portion of the ewer has six medallions, each containing a geometric roundel encircled by a flock of eight ducks. Six-petaled

rosettes and lotus blossoms fill the interstices. At the base is another band of running animals with three geometric roundels: the nine quadrupeds represented here repeat the same species depicted above, but they run in the reverse direction. A chevron ring joins the body to the foot, which has a band of floral arabesques similar to that on the lip: lancet leaves appear at the edge of the splayed foot, which is turned up to form a sturdy base.

The underside of the footring is beautifully decorated with floral scrolls on the edge and in the central boss. The boss is enclosed by a sunken floral scroll enhanced by three roundels with lotus blossoms. This is the best preserved portion of the piece and must have delighted guests, who could see this "hidden" design only when the ewer was being used.

The faceted handle, adorned with floral scrolls and braids, is attached to the shoulder with a heart-shaped plaque. An identical plaque joins the spout, which is divided into four units containing inscriptions and floral arabesques.

Although the overall shape of the ewer follows Ayyubid examples, the heavy socketlike mouth and the bold rings on the neck, handle, and socket appear to be Mamluk innovations.¹

This piece belongs to a group of transitional objects combining figural compositions with lotus blossoms and inscription bands, which became fashionable after the second quarter of the fourteenth century. One of the floral motifs on the foot shows trefoil petals with strokes designating veins, a characteristic decorative motif of metalwork produced during the reign of Sultan Nasir al-Din Muhammad (see nos. 25–26).

Unpublished

otes

 The same features appear in another Mamluk ewer in Cairo Museum of Islamic Art, 24084 (El-Emary 1966, pp. 128-29, pls. XXI-XXIV). 20

Bow

Brass: inlaid with silver, gold Circa 1290–1310 Made by Ibn al-Zayn

Height: $10.3 \text{ cm. } (4^{+}_{16} \text{ in.})$ Diameter of rim: $17.2 \text{ cm. } (6^{+}_{4} \text{ in.})$

Paris, Musée du Louvre, MAO 331 Bequest of Marquet de Vasselot, 1956

Inscriptions
On bowl held by figure:

عمل ابن الزين

Work of Ibn al-Zayn.

The exterior of Ibn al-Zayn's small bowl portrays eighteen figures participating in ceremonial and courtly activities. The piece has the characteristic shape of Mamluk bowls with its rounded base, inverted sides, and slightly everted heavy rim (see nos, 29 and 37). A continuous thin strip of silver encloses the band and loops around the three medallions. A floral arabesque with lancet leaves adorns the lower edge of the band. Floral motifs also appear behind the figures.

The three medallions represent enthroned figures wearing crowns. Each sits crosslegged on the throne, with one hand resting on the hip, the other hand holding a beaker. The remaining three units each have five figures representing court officials, entertainers, and hunters.

The first panel shows a group of officials seated crosslegged on the ground. In the center is an enthroned figure holding a bow and sword, symbols of high office: he wears a soft furry hat of

the Central Asian steppe. in contrast to the other figures, who wear turbans. The figure on the far right holds a large footed bowl with the name of the artist engraved on the upper portion; on the ground rests a beaker. Nearby a man displays a sword. The two figures on the other side of the enthroned personage hold a large rectangular pen box and an ax (this type of pen box also appears in no. 21. see also nos. 23–24). The scene symbolizes the administration with the enthroned figure representing a high Turkish amir, surrounded by his cup-bearer, sword-bearer, secretary, and mace-bearer.

The next panel is devoted to less serious activities of the court. A pair of musicians playing flutes and tambourines flanks a dancer who holds clappers. Cups and wine bottles scattered between the figures provide further indication of the joyous atmosphere created by the court entertainers.



The third panel depicts an imperial hunt, which in this case concentrates on wild geese, found in abundance in the marshes outside the capital. Once again there is a central figure, who holds a dead goose; two pairs of figures on either side are actively pursuing the game, shooting with bows and arrows and slaying quarry.

The interior of the bowl contains two rings, each composed of six fish; the fish in the inner ring swim counterclockwise, while those in the outer are reversed and interspersed with small roundels. The exterior of the base is undecorated.

The artist has attempted to differentiate facial features of the figures and to identify them racially. Some are of Central Asian or Turkish origin, while others are more Mediterranean or a blend of both types. He is obviously "portraying" members of the ruling class as accurately as his medium allows (see also no. 21).

There are several examples of Mamluk metalwork displaying a similar virtuosity in representing figural compositions, and it is highly possible that they were made in the same workshop. One of the celebrated examples is an exquisite incense burner found at Qus in upper Egypt. The six medallions on the lid and base of this piece represent mounted hunters in very realistic and lively poses. A spectacular mirror in Istanbul, representing a profusion of animals and personifications of signs of the zodiac, is signed by Muhammad al-Waziri and dedicated to Amir Altunbugha, the cup-bearer of Sultan Nasir al-Din Muhammad.² Another bowl, in the Louvre, its exterior and base decorated with medallions depicting animals in combat, seated figures, and symbols of the planets, also belongs to this shortlived renaissance of a figural style epitomized by the art of Ibn al-Zayn.3

Published Répertoire, vol. 11, no. 4366. Wiet 1932, p. 20, no. 25, p. 66, no. 9, and app. no. 64. Dimand 1941, p. 210. Diniard 1952, p. 216. Mayer 1952, p. 9. Mayer 1959, p. 74. Pope and Ackerman 1964–67, vol. 6, p. 2499, note 1, p. 2528. no. 18 and fig. 808; vol. 12, pl. 1340, Paris 1967, no. 56. Cairo 1969a. no. 1x. Camb 1969a, no. 13. Chambéry 1970, no. 74. Paris 1971, no. 163 and cover Rogers 1974, pp. 390–94 and fig. 1. Paris 1977, no. 263.

1. El-Emary 1966, pp. 123-27, pls. xix-xx

 Istanbul, Topkapi Palace Museum, 2,1786. The mirror is dedicated to Ala al-Din, thought to be Ala al-Din Altunbugha who died in 1342. He was the governor of Aleppo in 1314 and the viceroy of Syria in 1340 under Sultan Nasir al-Din the viceroy of Syria in 1340 under suitan Aasir ai-Din Muhammad (Mayer 1933, pp. 62–63; Mayer 1959, p. 74 with full bibliography; Aslanapa 1977, p. 75, fig. 6). 3. Paris, Louvre, 6032 (Paris 1971, no. 161; London 1976, no. 215; Paris 1977, no. 451).



21
Basin
Brass: inlaid with silver, gold
Circa 1290–1310
Made by Muhammad ibn al-Zayn
Height: 22.2 cm. (83 in.)
Diameter of rim: 50.2 cm. (193 in.)

Paris, Musée du Louvre, LP 16 Bequest of Marquet de Vasselot, 1956

Inscriptions Exterior under rim:

Work of the master Muhammad ibn al-Zayn, may he be forgiven [by God].

Exterior on stemmed cup held by figure in one panel: interior on throne backs and on beakers held by kings in two medallions:

Work of Ibn al-Zayn.

Exterior on bowl held by figure in one panel:

I am a ressel to carry food.

Interior on pen boxes held by figure in two medallions:

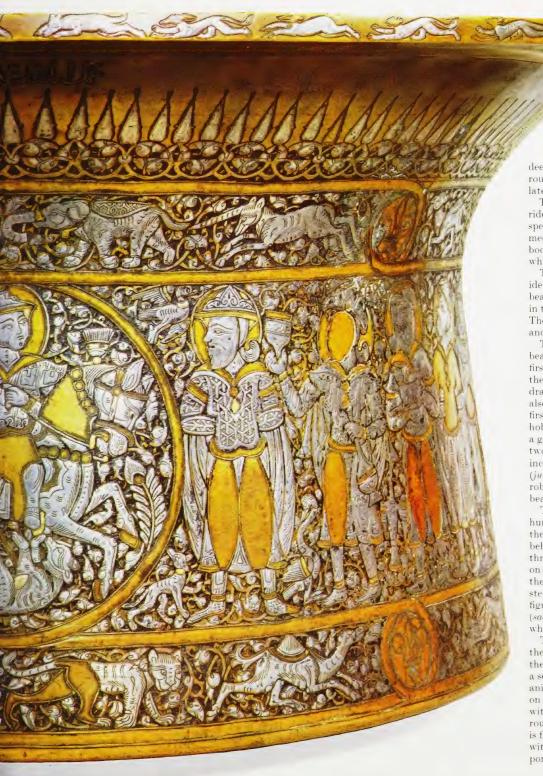
دوه [sic] and دواه

Pen box.

This spectacular basin, lavishly inlaid with silver and gold, is the most celebrated piece of Mamluk metalwork and among the masterpieces of Islamic art. The compositions are carefully structured, representing both the general and the specific. The scenes in the medallions are repetitive, depicting generalized themes, such as enthroned figures and riders. In contrast, those in the panels portray specific activities and figures, possibly even individuals, attired in the costumes of their rank.

The flaring rim of the basin contains an arabesque scroll terminating with lancet leaves, while a row of forty-four quadrupeds appears on the edge of the widened lip. The exterior has a wide central unit divided into four panels by medallions and enclosed by two narrow bands with animals, each broken by four roundels. The bands depict real and fantastic predators and prey, such as unicorns, leopards, foxes, wild boars, griffins, and lions, which chase elephants, gazelles,





deer, hares, sphinxes, and camels. The four roundels on each band have been covered at a later date by the French fleur-de-lis.

The four medallions represent different types of riders. Two of them wear hats and cloaks and spear a dragon or a bear. Those in the alternating medallions are attired in turbans, long robes, and boots; one rider attacks a lion with his sword while the other holds a polo-stick.

The four panels also represent two figural types identified as amirs and royal servants. The amirs bear swords and other weapons: they are attired in turbans, long robes, and leggings with blazons. The royal servants, who are not armed, wear hats and cloaks

The first panel with amirs shows five figures bearing such weapons as a sword, mace, bow: the first amir bends low as if approaching a sultan and the last carries a bundle on his back with a cloth draped over his arm. The second panel of amirs is also represented by five armed figures, with the first bending low and preceded by a child who holds a polo-stick: one of the other figures carries a gazellelike animal across his shoulders. These two scenes most likely portray high court officials, including the sword-bearer (silahdar), mace-bearer (jumaqdar), bowman (bunduqdar), master-of-therobes (jamdar), and polo master (jukandar), who bear gifts to the sultan.

The remaining two panels depict servants of the hunt and the royal household, each preceded by the overseer, who stands erect with hands folded behind his back. The panel with the hunters has three additional figures who hold either a cheetah on a leash, a falcon, or a crane. The officials in the second panel carry a long-necked bottle, a stemmed cup, a kid, and a large bowl. These figures portray the falconer (bazdar), cup-bearer (saqi), and possibly the imperial taster (jashnigir), who are also presenting gifts to the ruler.

The interior of the basin has the same layout as the exterior. Two strips frame the edge of the rim: the outer strip is braided and the inner one shows a series of overlapping fish. Below is a band of animals representing the predators and prey seen on the exterior, divided by four roundels covered with fleur-de-lis. Another animal band broken by roundels appears below the wide central unit and is followed by an arabesque scroll terminating with lancet leaves similar to that on the upper portion of the exterior.

The interior medallions reveal two alternating themes: a shield placed on a floral scroll, covered by the coat of arms of France; and an enthroned figure flanked by his sword-bearer and secretary. The enthroned personages wear crowns and hold beakers, while sword-bearers carry the imperial sword and secretaries carry pen boxes.

The four panels between the medallions have three riders and depict the two most representative activities of the Mamluks: an imperial hunt, shown in two consecutive panels, and a battle, enacted in the remaining pair. These riders belong to the ruling class and wear armor and helmets or long robes and turbans; each figure is fully equipped with weapons and has boots with blazons.

The first panel of warriors portrays a distinguished figure in full armor who has just shot the fleeing enemy with an arrow. The warrior is accompanied by his aide who holds an ax and keeps respectful distance. The central figure in the second panel uses a bow and arrow against the enemy and on either side of him are warriors who join the attack with lance and sword.

One of the hunting scenes shows two riders, accompanied by a falconer, killing a lion and a bear. The second panel represents a pair of hunters attacking a leopard and a lion, a third figure tries to defend himself against a lion that has jumped onto the rump of his horse.

The interior of the base of the basin is as elaborately decorated as the exterior and interior walls. An arabesone scroll with lancet leaves encircles a fantastic design composed of concentric rings of fish, interspersed with a variety of other marine creatures -including eels, crabs, turtles frogs. lizards, and crocodiles-intermingled with ducks, pelicans, and harpies, with roundels in the interstices. The center of the composition is formed by a group of six fish with their heads pointing inward; the fish in each of the five encircling rings swim in alternate directions. creating a whirlpool effect. Although concentric rings of fish are commonly seen in contemporary basins, the diversity of sea animals represented here is without equal (see nos. 26-28).

Each unit of the basin is enhanced by a rich floral arabesque flowing in the background with occasional animals—including cranes and wild ducks, foxes and hares—intermingled with flora. Thin ribbons define the units and loop around the roundels and medallions in a continuous strip.

The maker of this basin must have been extremely proud of his accomplishment since his name appears in five different areas in addition to the formal inscription placed under the rim.

As mentioned earlier, the coat of arms of France in the four medallions of the interior and the fleur-lio for in the sixteen roundels in the exterior and interior are later additions, placed over the blazons in the nineteenth century, D. S. Rice, who has studied this basin in detail, was able to identify the original blazons; a rampant lion

appears on four roundels of the exterior, and a particular mark of the Turkish tribes of Central Asia, called *tamgha*, is seen in the remaining ones

Based on the interpretation of the blazons. Rice has suggested that the basin was made for Amir Salar who was one of the wealthiest amirs of the time and became the viceroy of Egypt in 1299. He conspired with Baybars, who overthrew Sultan Nasir al-Din Muhammad in 1309. The following year the sultan regained his throne and had Baybars killed. Salar was imprisoned and died of staryation within months.

If one can accept the theory that Salar was the patron of the work, then the basin was made between 1290, the year Salar was elevated to high office, and 1310, the year of his death. This time span is also confirmed by stylistic evidence. During the long reign of Nasir al-Din Muhammad, figural compositions reached an ultimate level of perfection and scrolls with trefoil leaves (seen around the medallions of the interior) were coming into fashion. The lack of imperial inscriptions or references to a sultan also strengthens the assumption that the piece was made for a wealthy but nonroyal patron.

The history of the Louvre basin is as fascinating as the identification of its patron. The earliest record of its existence appears in a travel book written in 1742, which states that the basin was used for the baptism of the children of the ruling house of France and was thought to have been brought back from the Near East by Louis IX during one of his crusades (which predates the basin by almost half a century). The basin was kept in the Treasury of Sainte-Chapelle on the grounds of the Chateau de Vincennes until 1852 when it was moved to the newly established museum at the Louvre Palace. It was used for the baptism of Prince Napoleon-Eugène in 1856—the last time it served as a baptismal font.

Répertoire, vol. 11, no. 4365.
Lane-Poole 1886, pp. 217–20 and figs. 73, 82 (small format); pp. 181-83 and figs. 73, 82 (large format).
Migeon 1907, vol. 2, pp. 198-200 and fig. 153.
Migeon 1922, vol. 1, no. 71 and pl. 22.
Migeon 1927, vol. 2, pp. 61-64 and fig. 243.
Wiet 1932, p. 20, no. 24, p. 66, no. 8, and app. no. 63.
Paris 1938, no. 200.
Dimand 1941, p. 210.
Aga-Oglu 1945, p. 36.
M. H. Zaki, 1948, p. 548 and fig. 449.
D. S. Rice 1950, pp. 367–80.
Mayer 1952, pp. 9, 45 and pl. n.
D. S. Rice 1953.
Ettinghausen 1954, pp. 245–49.
Mayer 1959, p. 75.
Pope and Ackerman 1964–67, vol. 6, pp. 2477, 2499, 2528, no. 17; vol. 12, pl. 1339.
D. T. Rice 1965, pp. 137–38 and fig. 138.
Paris 1970, no. 193.
Paris 1971, no. 164.
Sourdel-Thomine and Spuler 1973, pp. 334–35 and pl. 304.
Aslanapa 1977, p. 74 and fig. 5.
Paris 1977, no. 274.
Papadopoulo 1979, color pl. 81.

Valou.

- 1. An identical basin, which has lost all its inlay, is mentioned as being in New York, Kevorkian Collection (Mayer 1952, pls. IV-V).
- 2. D. S. Rice 1953, p. 9.

Published (selected)



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Trav

Brass: inlaid with silver

Circa 1300-1320

Made by Ahmad ibn Husein al-Mawsili

in Cairo

Made for Dawud, Rasulid sultan of Yemen

Height: 2.5 cm. (1 in.) Diameter: 77.8 cm. (30% in.)

New York, The Metropolitan Museum of Art. The Edward C. Moore Collection, 91.1.602 Bequest of Edward C. Moore, 1891

Inscriptions

Three panels on rim:

Glory to our master, the sultan al-Malik al-Muayyad, the learned, the just, the defender [of the faith], the warrior [of the frontiers], the protector [of the frontiers], the lion of the world and religion. Dawud, sultan of Islam and the Muslims, the manifestation of justice among all, son of the master, the sultan al-Malik al-Muzaffar, the fortunate, the martyr, Shams al-Dunya wa'l-Din Yusuf... Ahmad ibn Husein al-Mawsili in Cairo.

Three panels on base:

Glory to our master, the sultan al-Malik al-Muayyad, the learned, the just, the defender fof the faith], the warrior [of the frontiers], the protector [of the frontiers], the lion of the world and religion, Dawud, may his victory be glorions.

The figural style discussed earlier (nos. 20–21) continued well into the fourteenth century, as observed in this tray made for the Rasulid sultan Dawud (1296–1322). Dawud commissioned from Mamluk artists several pieces of inlaid metalwork and enameled glass, including a pen box, in the Victoria and Albert Museum in London, dated 1302 3: another tray, in the Metropolitan Museum of Art in New York; and a glass bottle (no. 50) in the Detroit Institute of Arts.¹

His predecessor. Yusuf, had also commissioned a number of metal objects from the Mamluk workshops in Cairo (see no. 14). The name of Davud's son. Ali, is inscribed on several objects including a tray in the Louvre, a basin and bowl at the Metropolitan, an enameled glass bowl in Toledo, and a glass bottle at the Freer.²

The tray on display forms a transition between

the earlier group of Mamluk metalwork decorated with figural compositions and the later examples in which the predominant themes are hierarchic thuluth inscriptions and lotus blossoms. The tripartite division of design is also a characteristic of later pieces.

The piece is divided into two main sections: a large central medallion and a wide inscription band broken into three parts by lobed medallions. In the core of the central medallion is a fivepetaled rosette, the blazon of the Rasulid dynasty. The geometric design radiating from the rosette first creates a fine interlace and then opens out to form seven units composed of real and fantastic animals, some of which are engaged in combat. In the center of each unit is a crowned sphinx. shown frontally in a squatting position with extended wings. On either side of the sphinxes are winged lions swooping down to attack winged bulls separated by small harpies. The composition is further enhanced by flying ducks and the heads of lions and bulls, which appear as parts of the intertwined scrolls. This remarkable zoomorphic arabesque is a masterpiece of design and execution.

The three lobed medallions in the outer zone represent figures riding counterclockwise and against the direction of the inscription. One of the riders, who shoots an arrow at a lion (?), wears a turban with a fluttering band, a belted robe, and high boots: a sword encased in a scabbard hangs from his waist. The second warrior is in full armor with ribbons or plumes attached to the top of his helmet: he is shooting at a small human figure with a bow and arrow; the quiver hanging from his waist is full of arrows. The last rider is also in full armor and bears a bow and quiver and a sword: he is spearing a diminutive human figure who carries a sword. The riders and their mounts are rendered in detail against a fine floral arabesque. Unfortunately, the inlay and a great amount of fine detailing has disappeared.

A floral arabesque with flying ducks fills the ground of the inscription panel. The vertical shafts of the letters radiate toward the rim. and the script uses the same ground line as the riders. a feature also observed in the tray made for Dawud's father (see no. 14). In trays produced later—including one made for Dawud's son. Ali—the inscription is reversed, the shafts of the letters are oriented toward the center to create a radiating and revolving effect (see also the panel on the lid in no. 25 and medallions in nos. 30–31).

A chevron design appears on the walls and the rim has two bands. The inner band is broken into six panels by five-petaled rosettes: an inscription panel alternates with a unit containing eight quadrupeds moving counterclockwise in the same direction as the script. The animals include lions, bears, foxes, cheetahs, gazelles, wolves, hares, bulls, and a camel. The ground of both units is filled with a floral arabesque. The outer band is adorned with a scroll of flying ducks.

Since the inlay has completely disappeared, it is difficult to determine whether the five-petaled rosettes, the blazons of the Rasulid house, were originally inlaid with copper. It was common practice among metalworkers to use copper to suggest the color red, traditionally employed in this heraldic symbol.

The inscription on the rim states that the tray was made by an al-Mawsili artist working in Cairo. Although it is feasible that the maker of Sultan Dawud's tray could trace his ancestry for at least four generations to Mosul, it is more likely that he was trained in the style of that city as suggested by the superb figural compositions employed on the tray (see also no. 10).

The tray appears to have been owned at one time by al-Husein ibn al-Hasan, who inserted his name after the silver inlay on one of the letters fell out. He has added after his name the words amir al-muminin, amir or commander of the faithful, a title traditionally employed by caliphs. This practice is also observed on inscriptions added to several examples of Mamluk metalwork that in the seventeenth century passed into the collection of a particular family thought to be among the aristocracy in Yemen.³

Published
Répertoire, vol. 14, no. 5454.
Dimand 1931, pp. 231–34 and 236, no. 3 and fig. 3.
Wiet 1932, p. 21, no. 39, p. 48, no. 11, p. 71, no. 15, and app. no. 141.
Wiet 1932a, p. 79.
Kühnel 1939, p. 11, no. 17.
Dimand 1944, pp. 151–52.
M. H. Zaki 1948, p. 562.
D. S. Rice 1957, pp. 291 and 326, no. 26 and fig. 9.
Mayer 1959, p. 29.

Votes

- 1 London, Victoria and Albert Museum, 370–1897 (Dimand 1931, pp. 230–34 and 236), The second tray in New York, Metropolitan Museum of Art, 91,1,605 (Dimand 1931, fig. 2). Dimand also mentions a brass candlestick in the Kraft Collection and an enameled glass basin in Paris, Marquis de Vogüé Collection (Dimand 1931, p. 231), See also Wiet 1929, app. nos. 19–20; Wiet 1932, app. nos. 122 and 140–43.

 2. The tray is in Paris, Louvre, 6008 (Wiet 1932, p. 72, no. 32 and p. 218, no. 263; Paris 1971, no. 170; Paris 1977, no. 95;
- 2. The tray is in Paris. Louvre. 6008 (Wiet 1932, p. 72, no. 32 and p. 218, no. 263; Paris 1971, no. 170; Paris 1977, no. 95; and Welch 1979, no. 24). The basin is in New York. Metropolitan Museum of Art. 91.1.589; the bowl is also in the same collection, 91.1.590 (Dimand 1931, pp. 234–36, figs. 4–5). The glass bowl is in Toledo. Toledo Museum of Art. 44.33 (Wiet 1929, app. no. 120; Sotheby 1944, no. 147). The glass beaker is in Washington, D.C., Freer Gallery of Art. 34.20 (Arti 1975, no. 74). See also Wiet 1932, app. no. 260–68 and 270. The dome of a brass chandelier in Cairo, Museum of Islamic Art. 15122, also bears this sultan's name (Mostafa 1958, no. 40, fig. 30).
- 3. The name Muhammad ibn Ahmad ibn amir al-muminin appears on a basin and candlestick in Cairo. Museum of Islamic Art. 3937 and 3982, the candlestick dated 1662. The name of his son, al-Husein, is found on a candlestick in Lyons and a basin in Paris, the latter dated 1678. See Melekian-Chirvani 1970.



23 Pen box Brass, inlaid with silver, gold 1304–5

 $\begin{array}{ll} \text{Height} & 7.0 \text{ cm. } (2\frac{3}{4} \text{ in.}) \\ \text{Length} & 32.4 \text{ cm. } (12\frac{3}{4} \text{ in.}) \\ \text{Width} & 8.5 \text{ cm. } (3\frac{5}{16} \text{ in.}) \end{array}$

Paris, Musée du Louvre, 3621 Purchased 1895



Inscriptions

Four panels on top of lid:

The pen box of our master; its qualities have been judged to be perfect; its prototype bears witness to the stature of its pens adjusted; the substance of writing had been counted among its signs.

Panel at base of pen unit:

[This is] a source from which his learned majesty draws.

Panel inside lid:

He has a pen that benefits all provinces, without differentiating the first of them from the seventh, and without striking, like a metropolis, his shooter who ornaments with it [the pen], and the metropolises are the five fingers.

Four panels around walls of pen unit:

Open the pen box of happiness; its pens...who receive and read. Made for the servant of God [Abdallah?] who hopes for the mercy of God and His protection for the Last Day. Made in the year four and seven hundred of Hijra [A.D. 1304/5].

This pen box, considerably larger than the one made by Mahmud ibn Sunqur in 1281 (no. 13), has the rectangular format commonly found in the fourteenth century (see no. 24; also represented in nos, 20-21). The object is made of several pieces both the lid and the body are double shelled and held together by a series of studs; the sections for the reed pens and the inkwell are separate units; the inkwell contains a semicircular depression for the inkpot and two small rounded holes for the containers for sand, starch paste, or red ink. The inkpot and the other two containers are missing. When the piece was repaired at a later date, the upper panel on the lid was reversed; the inscriptions now face the back instead of the front. The two hinges attaching the lid to the body at the back also date from this period. The frontal hasp is missing.

The decoration consists of an extensive repertoire of inscriptions, floral and geometric arabesques, and figural compositions. The inner and outer surfaces of the lid and body are completely covered with meticulously executed designs, which produce a stunning overall effect.

The upper surface of the lid has been abraded and has lost its inlay. A band of kufic inscription, intersected by eight six-petaled rosettes, frames the central panel, which contains three medallions representing riders. The field, divided by the medallions into four units, is filled with a floral arabesque; each unit contains a thin strip of thuluth inscription in the center with two roundels with geometric motifs placed on the vertical axis. The central medallion depicts a hunter with a hawk, presented in arrested movement. The riders in the two lateral medallions gallop toward the center, bearing a bow and arrow, and are accompanied by a dog, which attacks an onager or a leopard (?).

The outer sides of the lid contain oval units with plaited kufic inscriptions alternating with six-pointed stars enclosed by roundels. The central roundel in the front is blank, possibly reserved for the hasp.

The inner surface of the lid has a large central panel with a thuluth inscription on a floral ground. The encircling frame is also adorned with floral motifs and decorated with sixteen small medallions containing pairs of ducks that alternate with roundels filled with geometric designs. The inner surface of the sides has an overall geometric pattern, accentuated by eight six-petaled roundels.

The outer sides of the body have ten large medallions alternating with geometric roundels against a floral ground. The medallions at the edge of the sides turn around the corners and are thus broken into two halves. These four split medallions contain a standing figure in each half, while the six complete ones represent riders Following the format seen on the upper surface of the lid, each long side has a central figure depicted in arrested movement, while the lateral figures ride toward him. The rider in the center of the front of the pen box is shown frontally; he bears a sword and attacks a lion. His counterpart at the back turns into the picture frame; he wears full armor and pursues an enemy with a sword. The riders in the remaining four medallions use bows and arrows to hunt leopards, foxes, and lions. The hinges obliterate two scenes. The short sides of the pen box contain only two split medallions. The worn underside of the body has an overall geometric pattern.

The most elaborately decorated and best preserved portion of the piece is the interior, which is divided into two unequal parts: an oval unit for pens and a section with three compartments for ink, sand, and paste. The base of the pen unit has a border of flying ducks interrupted by six geometric roundels. In the center is an inscription panel flanked by two large medallions. The inscription, placed on a floral arabesque, is accentuated by two axial pendants with geometric motifs. Each of the large medallions is composed of a geometric roundel surrounded by a border in

which six ducks fly amidst a floral seroll. The walls of the pen unit are constructed in four panels: the two at the sides curve in to form an oval. One of these panels was placed upside down during the restoration. A beaded border frames each of the panels, which reveal inscriptions broken by a central roundel with six flying ducks. Floral arabesques enhanced with geometric roundels appear in the compartments reserved for the containers, which were likely made of brass.

As in other examples of Mamluk metalwork, gold is employed exclusively in the geometric roundels, while silver appears in the inscriptions, floral arabesques, and figural compositions. The precious materials used in the inlays not only form a contrast but also accentuate the different decorative motifs.

This magnificent pen box, which dates from the reign of Sultan Nasir al-Din Muhammad, must have been made for a highly sophisticated and learned man who could appreciate the metaphors and mystical implications included in the inscriptions. He was obviously one of the scholars of the age and belonged to the men of the pen.

Published

Published Répertoire, vol. 13, no. 5181. Migeon 1907, vol. 2, p. 208. Migeon 1922, vol. 1, no. 97 and pl. 28. Migeon 1922, vol. 2, pp. 82 and 86. Migeon 1927, vol. 2, pp. 82 and 86. D. S. Rice 1957, p. 304. Chambéry 1970, no. 76. Paris 1971, no. 160. Angouléme 1974–75, no. 66. Paris 1977, no. 449.

24 Pen box Brass: inlaid with silver, gold, copper Circa 1320 Made for Imad al-Din Abu'l-Fida Ismail

 $\begin{array}{l} {\rm Height: 7.5~cm.~(2^{15}_{16}~in.)} \\ {\rm Length: 31.0~cm.~(12^{3}_{16}~in.)} \\ {\rm Width: 9.5~cm.~(3^{3}_{4}~in.)} \end{array}$

Cairo, Museum of Islamic Art, 15132 Purchased 1945 Ex-Harari Collection, 179

Inscriptions
Panel on top of lid:

عز لمولانا السلطان الملك المؤيد عهاد الدنيا والدين ابـى الفداء اسهاعيل عز نصره

Glory to our master, the sultan, al-Malik al-Muayyad Imad al-Dunya wa'l-Din Abu'l-Fida Ismail, may his victory be glorious. The shape and dimensions of Abu'l-Fida's pen box are almost identical to the previous example (no. 23), but the decoration consists of repetitive minute patterns that contrast and accentuate the bold inscription on the lid. The work is in two sections: the hinges and hasp are missing.

The upper surface of the lid contains a large inscription panel bearing the dedication. This is the only inscribed portion of the pen box. It is exceptionally striking, with majestic thuluth placed against an intricate floral arabesque accentuated with gold and filled with birds, harpies, and animal heads. The border reveals a lattice pattern in which diamond-shaped units are alternately filled with gold geometric motifs and silver trefoils resembling fleur-de-lis or stylized lotus blossoms.

The outer sides of the lid contain a series of roundels bearing three different motifs: floral arabesques, quatrefoil blossoms, and heraldic shields with a plain field above ten bends (diagonal lines). Although an attempt is made to alternate these motifs, the sequence of arabesques, blossoms, and shields is not always consistent. The number of roundels at the sides totals forty-eight, including five that were defaced by later restoration attempts to attach the hinges and hasp. The decoration is further enhanced by two additional series of smaller geometric units placed above and below the roundels: the field is filled with a floral arabesque. A continuous ribbon encircles the units and links them with each other.



Adorning the outer sides of the body is a similar profusion of minuscule elements, accentuated by twelve medallions employing two alternating themes framed by floral scrolls: the heraldic shield enclosed by strapwork and six-petaled blossoms decorated with geometric motifs. Between the medallions are six-petaled roundels, each petal bearing a trefoil. The surrounding field is filled with dense floral arabesques and tiny geometric roundels. Each unit is interconnected by a thin silver ribbon.

The underside of the body is also beautifully decorated. A band broken into ten strips by geometric roundels surrounds the base: the strips are filled with scrolls alternately bearing flowers or five flying ducks. In the center are three medallions linked by quatrefoil cartouches placed on a field of floral arabesques accentuated by geometric roundels. The central medallion has floral arabesques, the lateral medallions contain six-petaled rosettes.

The inside of the pen box is perhaps the most carefully executed section and reveals the same floral and geometric motifs that decorate the exterior. The section for the inkwell is missing (see also no. 13); the oval pen unit has a central medallion with a geometric roundel in the core enclosed by two rings with trefoils and geometric motifs. Additional geometric roundels and units link the medallion with the two lateral quatrefoil cartouches that are filled with floral decorations. The interstices are densely covered with a floral arabesque: an identical decoration interrupted by four roundels forms the border.

Silver is used lavishly on the piece: gold is reserved for the geometric motifs and outlines the quatrefoils and six-petaled blossoms: the heraldic shields make exclusive use of copper, which alternates with gold and bitumen in the bends

The contrast between the main inscription band and the dense overall pattern creates an impact that is at once bold and intricate. The circular motifs create a slow perpetual movement that revolves around the piece, harmoniously blending the diverse elements. The effect produced is not unlike the astral symbolism seen in illuminations of the Koran (see no. 5). This sophisticated design concept and microscopically detailed composition would have been much to the liking of the owner, Abuʻl-Fida (1273–1331). descendant of the Hama branch of the Ayyubids.

The patron of the work, whose full name—Imad al-Din Abu'l-Fida Ismail—is given in the inscriptions, was a celebrated soldier, statesman. and scholar. He served as Amir of Ten (1291). Amir of Forty (1293), and governor of Hama (1310). He received a number of honors during his illustrious life, including the title al-Malik al-Muayyad and the rank of sultan, which were bestowed upon him in 1320 by Nasir al-Din Muhammad. Since both honorifies appear on the pen box, the piece must have been made shortly after this date.

Abu'l Fida's blazon is repeated seventeen times on his pen box: eleven times on the lid and six times on the body. His heraldic symbol consisted of a two-fielded shield: the upper plain and the lower divided into ten to twelve bends, alternately colored yellow (gold), red (copper), and black (bitumen). The same blazon appears on the mosque of Abu'l-Fida at Hama. It has been suggested that this blazon was the heraldic symbol of the Hama branch of the Ayyubids who served the Mamluks (see also no. 46).

Abu'l-Fida is renowned for his literary works. the most important of which are a history of the world and a geography. The former, entitled Mukhtasar Tarikh al-Bashar, printed in Istanbul in 1869.70, begins with the pre-Islamic period and concludes with the events of the year 1329; the geography. Takwin al-Buldan, completed in 1321. became the standard text for later scholars.1

Published Mayer 1933, pp. 46-47 and pl. XLIX. Mostafa 1958, no. 36 Cairo 1969, no. 64 and fig. 11

1. H. A. R. Gibb, "Abu'l-Fida," Encyclopedia of Islam, 2d ed. (Leiden: E. J. Brill: London: Luzae & Co., 1960), 1: 118-19.



2.5

Koran box

Wood: plated with brass, inlaid with silver, gold: interior faced with paper

Circa 1330

 $\begin{array}{l} \mbox{Height: 28.0 cm. (11 in.)} \\ \mbox{Length and width: 44.5 cm. (17<math>\frac{1}{2}$ in.)} \end{array}

Cairo, Museum of Islamic Art, 183

From Mosque of Sultan Qansuh al-Ghuri (built in 1504), 1882–99

Inscriptions
Central medallion on top of lid: Surat al-Hashr
(The Gathering: LIX:23).
Band framing top of lid: Surat al-Al-i Imran
(The Family of Imran: III:18–19 and 26–27).
Band encircling sides of lid: Surat al-Waqia
(The Event: LVI:76–80).

Band encircling sides of base: Ayat al-Kursi (Verse of the Throne; II:255).



This magnificent Koran box was made to protect a thirty-volume Koran donated by the sultan to his religious foundation. Although the date and the name of the patron are not given, its style suggests that it was made during the reign of Nasir al-Din Muhammad, who was renowned for his charitable establishments and spectacular objects (see no. 26). A similar box, signed by an artist named Muhammad ibn Sunqur, is now in Berlin. The same artist produced in 1327 a hexagonal table, popularly called a kursi (lectern), for Sultan Nasir al-Din Muhammad.² Another Koran box, made in 1322 by Ahmad ibn Bara al-Mawsili, is in the Library of al-Azhar Mosque in Cairo and bears a dedication to Nasir al-Din Muhammad.3 The signatures of the artists in the Berlin and al-Azhar boxes appear on the hasp. Unfortunately, the hasp of the illustrated example has been replaced and whatever inscription it may have contained is now lost.

The box was made in two sections: an angular lid and a square body resting on four feet. The lid is attached to the body by two hinges and fastens with a frontal hasp. The box is constructed of wood and covered with plates of inlaid brass, which are bound with bands and attached to the wood core by studs. The interior has two compartments, each partitioned to hold fifteen slender volumes. The underside is plain and the interior of the lid and the body were lined with paper, which has since deteriorated. The piece has been repaired, and the hasp and three of the feet were replaced at a later date.

The lid has a flat top with a lobed central medallion bearing a radiating inscription. In the middle of each side is a lobed triangular cartouche filled with trefoils and bunches of grapes; these units are joined to the medallion by roundels with swirling rosettes. Large lotus blossoms, fivepetaled florets, and flowers resembling peonies with oversized serrated petals appear in the corners. A frieze of inscriptions encloses the top, with four swirling rosettes in the corners. The reinforcing band, which attaches the top panel of the lid to the wood core, is decorated with a scroll bearing trefoils, interrupted by swirling rosettes. The same design is used on the vertical bands on the four corners.

The tapering sides of the lid have a beautifully rendered kufic inscription placed on a refined floral scroll with large lotus blossoms intermingled with smaller buds. The last word in each of the four panels has been omitted. It is possible that the artists were working from cartoons and did not take into account the necessity of cutting the sides of the panels in order to accommodate the reinforcing bands. The strips at the lower edges of the lid are adorned with the same trefoil blossoms and swirling rosettes seen on the reinforcing bands.

The sides of the body have a majestic thuluth inscription on a floral ground. While working on the right side, the artist obviously discovered that the text could not fit into the allotted space and wrote the last verse perpendicularly to the rest. The terminating band on the body repeats the decoration seen on the lower portion of the lid and reinforcing bands.

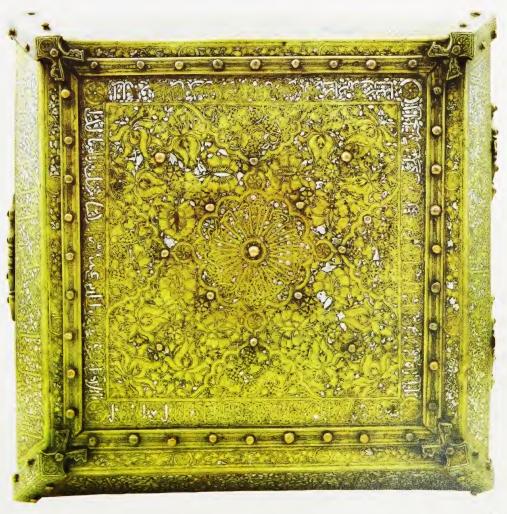
The inscriptions and decorative repertoire of the box are consistent with the style associated with the reign of Sultan Nasir al-Din Muhammad. Bunches of grapes decorating the top of the lid are rather unusual, but they also appear in a stone panel (no. 111).

The side panels of the lid, with kufic inscriptions placed on a floral scroll ground, resemble the units employed in the illuminations of contemporary Korans (nos. 1-3).

Published

Herz 1906, p. 187, no. 15 and fig. 35. Herz 1907, p. 174, no. 15 and fig. 34. Migeon 1907, vol. 2, p. 208 and fig. 167. Migeon 1927, vol. 2, p. 82 and fig. 257. $Ross\ 1931,\ p.\ 325\ (bottom).$ Abd el-Rauf 1962, pp. 104-5 and fig. 7. Cairo 1969, no. 62. Aslanapa 1977, p. 77, fig. 10.

- 1. Berlin, Museum für Islamische Kunst, 1 886 (published in several places, including Berlin 1971, no. 19, fig. 69; London 1976 no. 214).
- 2. Cairo, Museum of Islamic Art, 139 (Cairo 1969, no. 61 with
- bibliography). 3. Published in Wiet 1929a, no. 571; Wiet 1932, app. no. 180; Cairo 1969, no. 60 and pl. 9







26 Basin with epigraphic blazon Brass: inlaid with silver, gold Circa 1330 Made for Sultan Nasir al-Din Muhammad

Height: 22.7 cm. (8⁵₁₆ in.) Diameter of rim: 54.0 cm. (21¹₄ in.)

London, The British Museum, 51 1-4 1 Purchased 1851

Inscriptions

Exterior on three panels of body:

Glory to our master, the sultan al-Malik al-Nasir, the derout, the champion [of Islam], the defender [of the faith]. Nasir al-Dunya wa'l-Din Muhammad ibn Qalawun.

Exterior on six roundels in upper and lower bands and in center of three medallions (an extra alif is added to those in the medallions):

Glory to our master, the sultan.

Under rim:

الصبر عبادة

Patience is worship.

Interior on three panels on rim:

Glory to our master, the sultan al-Malik al-Nasir, the learned, the derout, the champion [of Islam], the defender [of the fuith], the warrior [of the frontiers]. Nasir al-Dunya wa'l-Din Muhammad ibn Qalawun, may his victory be glorious.

Interior on roundels in center of three medallions:

Glory to our master, the sultan.

Sultan Nasir al-Din Muhammad, who ruled for almost half a century until 1341 with an interruption of only four years, was indeed the most outstanding patron of the arts. He was a fervent builder who commissioned dozens of magnificent objects for his establishments and personal use. The art of inlaid metalwork—employing a variety of decorative themes—reached the ultimate technical and aesthetic perfection under his patronage. During his reign the figural compositions associated with the school of Mosul flourished (see nos. 18–23) and the epigraphic Mamluk style became fully established.

The most striking element in this style is the bold script rendered in majestic thuluth. Inscriptions are not only used to transmit messages, but they now become the main decorative feature. Inscriptions are also employed in royal blazons with circular shields containing the name and titles of the sultans (see nos. 30-31, 34-35, 52, 101, and 110). The boldness of the script is accentuated by a ground of intricate floral scrolls, their tendrils often transformed into flying ducks or birds. The impact of the script is also contrasted by medallions enclosing lotus blossoms, peonies, and five-petaled florets and by bands filled with a peculiar flora composed of trefoils with gold cores and delicately marked veins (see no. 25).

The traditional Mamluk decorative layout is based on multiples of threes. Each component is at once an independent unit and an integral part of the whole, harmoniously united by various design features, such as continuing inscriptions, repetitive motifs, and thin ribbons that encircle and link the diverse segments. The same tripartite design with detached and combined components is a feature characteristic of manuscript illumination and was

perhaps first perfected by painters (see nos. 1-3).

This basin is an outstanding example of the Mamluk epigraphic style established during the reign of Sultan Nasir al-Din Muhammad, its vestiges still to be found in the modern arts and crafts produced in Egypt and Syria. Although a number of silver inlays have been lost, particularly large pieces of the inscriptions, the basin is of imperial quality, befitting the fame of its patron.

The wide thuluth band on the exterior is divided into three panels by large medallions and framed above and below by a floral scroll interrupted by six roundels. The inscription is placed against a floral scroll with some of the leaves transformed into ducks, geese, or other fowl. The medallions have a wide frame with six lotus blossoms alternately facing in and out, intermixed with five-petaled blossoms and trefoils. The epigraphic blazons in the core have a central field with a phrase praising the sultan. The roundels in the floral bands above and below are identical to those in the medallions. A series of lancet leaves encircles the neck and a beaded band adorns the thickened lip.

The everted rim has a double border: the outer edge has a scroll bearing trefoil blossoms and five-petaled flowers; the inner border shows a row of flying ducks intersected by six-petaled rosettes. The decoration of the inner walls repeats that of the exterior, with a thuluth inscription broken into three parts by large medallions. Below the inscription panel is a floral arabesque terminating in a series of lancet leaves

The interior of the base is framed by a band identical to the one encircling the lower portion of the inner walls. Inside this band are three double rows of fish, which swim in opposing directions and encircle a central unit of six fish with their heads forming the core. Irregularly placed roundels fill the interstices. The position of each fish is counteracted by another, creating the effect of rippling movement. The depiction of fish swimming in slow motion in the bottom of basins and bowls is a traditional Islamic feature dating from the twelfth century. The image of a fish pond recurs on later Mamluk examples and survives through the sixteenth century (see no. 21 for its most elaborate representation; see also nos. 20 and 27-29).

In Nasir al-Din Muhammad's basin there is no trace of silver inlay on the bottom. The fish have been incised and grooves for fixing the silver have been placed outside the original outlines. This suggests the possibility that the designer and the inlayer were two different people. The epigraphic mistakes in the inscriptions also indicate that the person who wrote the messages was not a professional scribe but an artisan attached to the workshop. Similar discrepancies occur in the inscriptions on other fourteenth-century metalwork, confirming group efforts by members of a workshop.

The wording of the inscriptions and the phrases on the blazon are characteristic of this period. They appear on all the objects bearing Nasir al-Din Muhammad's name, including the magnificent tray in the Victoria and Albert.2 The inscriptions on this tray contain another version of the apperaphic design employed on metalwork: the letters revolve around a model lion, their shafts radiating from the center (see nos. 25 and 30-31).

Published Lane-Poole 1886. pp. 227–28 (small format); p. 190 (large format). Migeon 1907, vol. 2, p. 206 and fig. 164. Migeon 1927, vol. 2, pp. 76–77 and fig. 253. Ross 1931, p. 318. Wiet 1932, app. no. 183. Barrett 1949, pp. xvii and xxiii and pl. 28. M. H. Zaki 1956, nos. 508-9 and figs. 508-9. Aslanapa 1977, p. 76, fig. 9.

- 1. Wiet 1932, p. 27 and app. nos. 175-202 lists twenty-eight pieces bearing his name. See also Izzi 1974. One of Sultan Nasir al-Din Muhammad's candlesticks decorated with figural compositions is now in Vienna. Österreichisches Museum für angewandte Kunst. Go 1033 (Vienna 1977, no. 122). His name also appears on a basin identical to the one in the British Museum; this piece, in Naples, Capodimonte, omits the inscriptions in the roundels (Naples 1967, no. 12 and pl. 1).
- 2. London, Victoria and Albert Museum, 420-1854 (Lane-Poole 1886, small format, p. 229).



Basin

Brass: inlaid with silver, copper

Circa 1340

Made for Qushtimur, majordomo of Toquztimur

Height: 19.5 cm. (711 in.)

Diameter of rim: 44.0 cm. (17 in.)

Cairo, Museum of Islamic Art, 15038

Purchased 1945

Ex-Harari Collection, 166

Inscriptions

Three panels on exterior:

الجناب العالى المولوي الاميري الكبيري المالكي * العالمي العاملي العدلي الغازي المجاهدي المرا * بطي المخدومي السيفي قشتمر استاذ الدار الكريمة طقزتمر امير مجلس عز نصره

The sublime highness, the master, the great amir. the royal, the learned, the efficient, the just, the champion [of Islam], the defender [of the faith], the warrior [of the frontiers], the masterful. al-Sayfi Qushtimur, the majordomo of the noble house of Toquztimur, the Amir of the Council, may his victory be glorious.

Six panels on interior: Same as exterior except that the ninth word العدل (the just) is replaced by المخدومي (the masterful), which itself is omitted further on.

Mamluk officers frequently commissioned metal objects for their establishments and personal use They were proud of being associated with the powerful amirs and often used the blazons of their masters on their objects. The blazon used on this basin is a composite and contains an almondshaped shield containing an eagle with outstretched wings. The eagle stands between a stemmed cup and a bar. The inscription states that this basin was made for Qushtimur, who was the majordomo of Toquztimur, the amir majlis (president of the council). Atthough Qushtimur's own blazon was a circular shield with five bars.1 he preferred to use his master's heraldic emblem on this basin. Toquztimur, who died in 1345, was once the mamluk of Abu'l-Fida (see no. 24) and the sagi of Sultan Nasir al-Din Muhammad He became $amir\ majlis$ in 1330/31 and later served as viceroy of Egypt and Syria. Toquztimur's blazon appears on a number of objects, including a brass base in Cairo, two glass lamps in the British Museum.2 and a ceramic flask (no. 96). Qushtimur. the majordomo of Toquztimur, used his master's blazon on at least three other objects.

The basin has a typical Mamluk shape with flat bottom, slightly tapering sides, and wide everted tim. Encircling the exterior is a solitary band of thatth inscriptions broken into three panels by adultums enclosing the blazons. The medallions

Above and below the middle of each panel are triangular cartouches with floral motifs. Floral scrolls adorn the ground of the inscriptions. thickened lip, and two borders of the rim.

The decoration of the rim is more elaborate than that of the exterior. A similar inscription band encircles this area, but it is broken into six panels by medallions with alternating designs. Three panels enclose blazons identical to those on the exterior, while the other three have a central six-petaled rosette surrounded by a scroll with four pairs of ducks. These rosettes, associated with the house of Qalawun, also appear on Toquztimur's flask (no. 96). A loose foliate design with finials appears below.

The interior of the base has a border similar to the one on the lower portion of the interior. The central design is composed of three concentric rows of fish with roundels filling the interstices Six fish swimming in opposite directions form the inner row; the same countermovement appears in the next group of ten fish and concluding row of twelve. The direction of the fish creates a rippling effect frequently seen in Mamluk basins and bowls (see nos. 20-21 and 28-29).

Almost all of the silver inlay has disappeared; the copper, used for the ground of the shield, is still intact.

Wiet 1932, app. no. 212. Cairo 1969, no. 69 and fig. 14. London 1976, no. 222.

Qushtimur's blazon appears on a tray (Mayer 1933, no. 192.

- pl. xl.(i 6). For Toquztimur's blazon see Mayer 1933, pp. 235-37, pl. xvi; D. S. Rice 1950, pp. 372-73 and 373, note 1. The vase is in Cairo, Museum of Islamic Art, 15125 (Mayer 1933, pl. xv1; London 1976, no. 223). The lamps are in London, British Museum, 69 6–244 (Harden 1968, no. 158, pl. iv); and 69 6 24 2
- 3. Mayer 1933, pp. 236-37, nos. 4-6.





.) 5

Basin

Brass: inlaid with silver, copper

Mid 14th century

Made for Tabtaq, an officer of Sultan al-Malik al-Ashraf

Height: 18.2 cm. $(7\frac{1}{8}$ in.)

Diameter of rim: 44.0 cm. (17⁵ in.)

Cairo, Museum of Islamic Art, 24085

Found at Qus. 1966

Inscriptions

Six panels on exterior:

مُما عمل برسم المقر الاشرف* العالى المولوى* العالمي العاملي*

العادلي الغازي * المجاهدي المخدومي السيفي * طبطو (طبطق) الملكي الاشرفي

One of the things made for the noble excellency, the sublime master, the learned, the efficient, the just, the champion [of Islam], the defender [of the faith], the masterful, al-Sayfi Tabtaq [?], [officer] of al-Malik al-Ashraf.

Six panels on interior:

مما عمل برسم المقر الاشرف* العالى المولوي المشيري * العالمي العاملي العـ *

ادلى الغازى المجاهدي* المرابطي المالكي المخدومي السيفي* ططو (طبطق) الملكي الاشرفي

One of the things made for the noble excellency, the sublime master, the counselor, the learned, the efficient, the just, the champion [of Islam], the defender [of the faith], the warrior [of the frontiers], the royal, the masterful, al-Sayfi Tabtaq [?], [officer] of al-Malik al-Ashraf.

The basin was made for a Mamluk amir named Tabtaq (or Toqto), who—as indicated by the blazon representing a stemmed cup placed between two bars—appears to have been a saqi in the service of a certain al-Malik al-Ashraf. These titles were used by Khalil (1290–93). Kujuk (1341–42), and Shaban II (1363–76). The bold epigraphic design of the basin suggests a date after the reign of Nasir al-Din Muhammad, for whom Tabtaq served as the governor of Qus (between 1312 and 1320),¹ where this piece and a matching ewer were found.² Since this sultan's titles are not given in the inscriptions, it seems likely that Tabtaq ordered the basin and ewer while he was employed by Sultan Kujuk.

The shape of this piece differs from that of traditional basins and has a rounded bottom with curving sides, resembling a large bowl. The high and wide everted rim is disproportionate to the body and overburdens the piece. Nevertheless, the simple but elegant decoration, impeccably executed, more than compensates for any misgivings in regard to its rather awkward shape.

The bold thuluth inscription on the exterior, placed on a sparse floral ground, is interrupted by six medallions bearing circular blazons. The blazons contain three bars with a stemmed cup placed in the center: the upper bar is inlaid in copper, the lower is filled with a black bituminous material and minutely hatched, the field of the central bar is plain brass, the cup is covered with bitumen. Obviously, an effort was made to reproduce the colors—black (bitumen), red (copper), and yellow (polished brass)—traditionally used to depict this blazon.

An identical inscription band, broken by six blazons, adorns the rim. A pearl band frames the outer edge, followed by a narrow floral scroll interrupted by six six-petaled rosettes. The scroll contains trefoil leaves with accentuated veins associated with the style of the period (see nos. 19, 21, 25–26, and 29). The rosettes are plain and devoid of silver inlay.

The interior of the base has the traditional group of fish swimming in apposite directions. Here a simplified version is used, with six fish arranged single row, their heads pointed toward the core.





29 Roy

Bowl Brass: infaid with silver, gold Mid 14th century

Made for an officer of Sultan al-Malik al-Muzaffar

Height: $9.5 \text{ cm.} (3\frac{3}{4} \text{ in.})$ Diameter of rim: $17.0 \text{ cm.} (6\frac{11}{16} \text{ in.})$

Cairo, Museum of Islamic Art, 15131 Purchased 1945 Ex-Harari Collection, 126

Inscriptions

Three panels on exterior:

The sublime excellency, the master, the great [and] wise amir, the wise, the royal, the upholder of the needy, the heroic defender, the counselor, may his glory be eternal.

Roundels in center of three medallions on exterior (and possibly on base):

الملك المظفر al-Malik al-Muzaffar.

Medallion on base:

المقر العالى المولوى الاميري الكبيري العالمي العاملي السيدي الملكي دام عزه

The sublime excellency, the master, the great amir, the learned, the efficient, the wise, the royal, may his glory be eternal. Bowls with rounded bases, curving sides, and thickened straight rims were produced in large quantities by Mamluk metalworkers. The majority are adorned with wide inscription panels interrupted by three or six medallions.

Inlaid decoration completely covers the exterior of this piece. The walls have three identical medallions interrupting the wide inscription panel placed against a floral arabesque. The medallions contain epigraphic blazons enclosed by trefoil leaves. Below the inscription panel is a scroll with the same trefoils, broken into three by roundels filled with geometric patterns.

The base of the bowl has a central roundel, the design of which is too abraded to decipher. Surrounding it is a circular inscription with the vertical shafts of the letters radiating outward. The enclosing zone is composed of six semicircular bands that overlap, forming a series of units filled with floral arabesques and roundels. The larger units of the outer zones contain three epigraphic blazons that alternate with six-pointed stars: the six smaller units in the middle have two pairs of ducks. Floral scrolls fill the interstices, joining the decoration of the base with that of the walls.

The interior is relatively plain and has a central twelve-petaled rosette around which six fish swim. The petals of the rosette swirl in a counterclockwise direction, while the fish move in the opposite direction, creating the whirlpool effect so commonly seen in bowls (no. 20) and basins (nos. 21 and 26–28).

The honorific titles given in the blazon, al-Malik al-Muzaffar, were used by several Mamluk sultans. The only sultan whose titles correspond with the style of decoration is Hajji t (1346–47); the anonymous amir who commissioned this bowl must have been one of the officials in his court.

Unpublished



30

Candlestick

Brass: inlaid with silver

Mid 14th century

Made for an officer of Sultan al-Malik al-Nasir

Height: $40.0 \text{ cm.} (15\frac{3}{4} \text{ in.})$

Diameter of base: 36.5 cm. (143 in.)

Cairo, Museum of Islamic Art, 15080 Purchased 1945 Ex-Harari Collection

Inscriptions

Four panels on socket:

المقر العالى المولوي الاميري * الكبيري الغازي المجاهدي المرابطي * المثاغري الهمامي النظامي * العالمي العاملي المالكي الملكي الناصري

The sublime excellency, the master, the great amir, the champion [of Islam], the defender [of the faith], the warrior [of the frontiers], the protector [of the frontiers], the generous administrator, the learned, the efficient, the royal, [officer] of al-Malik al-Nasir.

Four roundels on socket: الملك الناص

al-Malik al-Nasir.

Three panels on shoulder:

المقر العالى المولوى المالكي العاملي الحامي * النظامي الافضلي الاكاملي الغازى المجاهدي المرابطي ا * لمثاغري المؤيدي العضدي الذخري المشيري الكفيلي

The sublime excellency, the master, the royal, the learned, the efficient, the generous administrator, the ultimate in perfection, the champion [of Islam], the defender [of the faith], the warrior [of the frontiers], the protector [of the frontiers], the supporter [of Islam], the generous helper, the equal counselor.

Three panels on body:

المقر العالى المولوى المالكي المخد [sic] * المخدومي الهمامي المجاهدي المرابطي العالمي * الكاملي المالكي الملكي الناصري

The sublime excellency, the master, the royal . . . the masterful, the generous, the defender [of the faith], the warrior [of the frontiers], the learned, the perfect, the royal, [officer] of al-Malik al-Nasir.

Three medallions on body:

المقر العالى المولوى المحترمي المالكي العالمي العاملي المرابطي المجاهدي الملكي الناصري

The sublime excellency, the master, the revered, the royal, the learned, the efficient, the warrior [of the frontiers], the defender [of the faith], [officer] of al-Malik al-Nasir.

Roundels in center of three medallions on body: عز لمولانا السلطان

Glory to our master, the sultan.



-2.1

Rosewater sprinkler Brass: inlaid with silver, gold Mid 14th century Made for Sultan Hasan

Height: $23.5 \text{ cm.} (9\frac{1}{4} \text{ in.})$ Max. diameter: $11.0 \text{ cm.} (4\frac{5}{16} \text{ in.})$

Cairo, Museum of Islamic Art. 15111 Purchased 1945 Ex-Harari Collection, 171



Inscriptions

Band on neck:

دام لك العز والهنا والحياه في الصبح والمسا Eternal glory and tranquility and long life in the morning and evening to you.

Roundels on body: three in upper band and six in lower band:

الملك الناصر

al-Malik al-Nasir.

Three panels on body:

عز لمولانا السلطان الملك الناصر ناصر الدنيا والدين الملك

Glory to our master, the sultan al-Malik al-Nasir Nasir al-Dunya wa'l-Din al-Malik al-Nasir Hasan,

Three medallions on body:

عز لمولانا السلطان الملك الناصر ناصر الدنيا والدين

Glory to our master, the sultan al-Malik al-Nasir Nasir al-Dunya wa'l-Din.

Sultan Hasan is renowned for having built the most impressive complex in Cairo and for donating hundreds of lamps to light his madrasa and mausoleum (see no. 52). A substantial amount of metalwork was commissioned by the sultan and his amirs. The majority of those that bear Sultan Hasan's name was designated for his complex.¹ This rosewater sprinkler is among the rare objects made for his personal use.

The neck of Sultan Hasan's bottle has been broken and repaired: the upper portion and ring date from the Ottoman period.² The lip was broken after restoration. The arabesque cartouches on the neck and the good wishes expressed in the lower portion follow the style of the Ottoman period.

The body is divided into five unequal horizontal panels, each adorned with a tripartite composition containing roundels or medallions placed on alternating vertical axes. The shift in vertical axis is further stressed by the use of gold in the circular areas. Each segment is framed by a continuous band that not only defines the units but links them with one another.

The uppermost band of nine lotus blossoms is broken by three swirling rosettes. The next band is composed of diamond-shaped units with pairs of confronted and addorsed ducks. The triangular interstices are filled with geometric motifs: three epigraphic blazons interrupt this zone.

The central panel is the widest and has a large inscription broken by three polylobed medallions with inscriptions radiating from a rosette; both units are placed on a floral ground.

The fourth band repeats the second but, due to the wider proportions of the lower body, has twice as many units. A floral scroll with lancet leaves appears below the braided ring at the base. The splayed foot is decorated with a floral scroll, interrupted by six roundels with rosettes. The underside of the foot has a scroll around the rim, a floral arabesque in the circular recessed unit, and a large eight-petaled boss in the center (see also no. 19).

Gold appears in the rosettes, cores of the lotus blossoms, inscriptions in the roundels and medallions, and geometric motifs in the latticework.

Published

Phonesiera Wiet 1932, app. no. 255. Mostafa 1958, no. 70 and fig. 29. Mostafa 1961, pp.48-49 and fig. 42. Cairo 1969, no. 79 and fig. 15. London 1976, no. 225.

Votes

 Wiet lists five other pieces with Sultan Hasan's name; a lantern, two candlesticks, a vase shaped as a lamp, and a ewer (Wiet 1932, p. 6, pls. XIII and XXVI).

(Wiet 1932, p. 6, pls. XIII and XXVI).
2. An identical sprinkler, made for Sultan Ismail, Hasan's brother and predecessor, is in Cairo, Museum of Islamic Art 15115 (1zzi 1974, fig. 6).

32

Lamp Brass: inlaid with silver, gold Second half 14th century

Height: 29.9 cm. (11 $\frac{3}{4}$ in.) Diameter of rim: 14.6 cm. (5 $\frac{3}{4}$ in.)

Cairo, Museum of Islamic Art, 15123 Purchased 1945 Ex-Harari Collection, 170

Inscriptions

Panel and four narrow bands on neck, the latter interrupted by six roundels containing the word Allah: Surat al-Fath (The Victory: XLVIII:1-15).

Panel on body: Ayat al-Kursi (Verse of the Throne: 11:255).

Two bands on body and one band on foot, each interrupted by six roundels containing the word Muhammad:

لا اله الا الله * رسول الله

There is no God but Allah: [Muhammad is] the messenger of God.

Panel on foot:

Muhammad is the messenger of God. God's blessing and peace be upon him, and Abu Bakr and Umar and Uthman and Ali, may God be pleased with them all. Although the shape of this vessel imitates that of a glass lamp (see nos. 52-53 and 58), it could not have been used to emit light. The inscriptions deviate from the Avat al-Nur (Verse of Light; xxiv:35) traditionally employed on mosque lamps (see nos. 52-53) and contain other Koranic passages, including the Ayat al-Kursi (Verse of the Throne; 11:255), which is commonly seen on mosque furnishings, such as Koran boxes (see no. 25). This piece was probably used as an ornament in a religious building and suspended from the ceiling by chains or ropes attached to the three loops on the body.

The lamp is exquisitely decorated with inscription bands of varying sizes and styles of script. The neck has a wide thuluth panel with a group of three narrow bands encircling the rim and the base. The upper and lower bands in each group are identical and contain naskhi inscriptions broken into six panels by roundels enclosing the word Allah. A scroll with split leaves appears in the narrow band between these inscriptions.

The wide thuluth band on the body is divided into three by medallions adorned with six-petaled blossoms and leaves; in the center of each medallion is a boss with a loop used for suspension. The band encircling the shoulder is composed of interlaced scalloped ribbons that divide this zone into a series of triangular units with floral motifs, six-petaled blossoms, and leaves. The band below has six roundels enclosing the word Muhammad, alternating with triangular cartouches filled with floral motifs; a strip with kufic inscriptions appears between the medallions and the cartouches. The same band is repeated below the wide thuluth panel, another band with intersecting scalloped ribbons appears above the footring, which is decorated with floral motifs.

The splayed foot is divided into three horizontal zones: the upper is filled with floral motifs, the second contains a thuluth inscription, and the last repeats the band with roundels containing the word Muhammad.

The vessel is lavishly inlaid with silver and gold, the latter used in the word Allah, the six-petaled blossoms, and in the floral scrolls on the neck. The contrast between the bold thuluth inscriptions placed on a floral ground and the minuscule naskhi and kufic scripts is most effective. The high quality of execution suggests an imperial patron whose name. unfortunately, is not provided.

During the reign of Sultan Hasan there was an unprecedented flourish in the production of glass mosque lamps. The sultan and his amirs commissioned hundreds of lamps. which must have stimulated the execution of similar shapes in other materials, such as inlaid metalwork.

Ornamental lamps made from materials other than glass are not uncommon in Islamic art. A similar piece made of brass was produced for Sultan Hasan, possibly for his complex.1 while examples executed in ceramics were frequently ordered in the Ottoman world in the sixteenth century.

Published Ross 1931, p. 322

1. Cairo. Museum of Islamic Art. 130 (Wiet 1932, p. 6, pl. XXVI).

2. The most celebrated are blue-and-white lamps made for the mausoleum of Sultan Beyazid II around 1510 and the famous polychrome example donated to the Dome of the Rock in Jerusalem by Sultan Süleyman the Magnificent in 1549 (Denny 1980, figs. 145–46 and 153).



Кеу

Bronze: inlaid with silver

1363 64

Donated by Sultan Shaban II to the Kaaba in Mecca

Length, including ring: 34.0 cm, $(13\frac{3}{8} \text{ in.})$

Cairo, Museum of Islamic Art, 15133 Purchased 1945 Ex-Harari Collection, 180

Inscriptions

First cube on top, below knob; Surat al-Fath (The Victory: XLVIII:28)1 Second cube in center

There is no God but Allah, Shaban ibn Husein, in the year seven hundred and sixty and five [A.D. 1363/64], glory [may his victory be glorious].

Third cube at bottom:

One of the things made for the sacred house of God [the Kaaba] during the reign of [our] master. the sultan al-Malik al-Ashraf.

Key: Surat al-Fath (The Victory; xLVIII:1-4) and Surat al-Al-i Imran (The Family of Imran: 111 96 97)

Among the sacred objects commissioned by Mamluk sultans were keys for the Kaaba in Mecca, the most revered shrine in Islam, Mecca and Medina were under the jurisdiction of the Mamluks, and the sultans were responsible for the maintenance of mosques in these cities and the protection of the pilgrimage routes. Many rulers spent a substantial portion of state revenues on the reconstruction of buildings and donated valuable Korans and metalwork to the mosques

Shaban II (1363-76), who restored the payement of the court of the mosque enclosing the Kaaba, donated this silver inlaid key to the shrine

The key is constructed of several movable units: a large ring is attached to a faceted knob; below the knob are three cubes separated by spheres: finally, there is an oblong silver inlaid shaft, which contains passages from the Koran and gives the date and name of the donor. The knob, the spheres between the cubes, and the teeth of the key are incised with simple floral motifs.

The keys to the Kaaba were carefully preserved. and a great number of them are presently in the Topkapı Palace Museum in İstanbul.² These sacred objects were taken to the Istanbul court by the Ottomans in 1517, following the defeat of the Mamluks and the annexation of the Hijaz. The collection of Kaaba keys in Istanbul is extensive, dating from the early years of Islam through the Ottoman period. Among the Kaaba keys owned in Western collections is one commissioned by Sultan Faraj, who restored the Mosque of Mecca in 1405.3 Although these keys differ in shape, they all bear the same Koranic inscriptions and include the names of the donors

The Koranic verses inscribed on the key are symbolic of its function. The first group (from the Surat al-Fath) refers to the Treaty of Hudaibiyya, in which the Meccans recognized the Prophet Muhammad and his followers and allowed the Muslims to perform their first pilgrimage. This event, which took place in 628, was a great moral. social, and political victory for Islam. The second excerpt (from the Surat al-Al-i Imran) describes the founding of the holy shrine at Mecca and explains the significance of the pilgrimage.

Berchem 1904, pp. 93–96. Sarre and Martin 1912, vol. 4, no. 3154. Devonshire 1927, pp. 124-25 and fig. v. Wiet 1932, app. no. 271. Sourdel-Thomine 1971, pp. 71-72, no. 11 bis

- 1. The same passage is found in 1x:33 and LX1:9.
- 2. Sourdel-Thomine 1971
- 3. Paris, Louvre, 6738 (Paris 1971, no. 175; Paris 1977, no. 237).

Candlestick Brass: engraved

1482/83

Donated by Sultan Qaitbay to Mosque of Medina

Height: 48.0 cm. (18% in.)

Diameter of base: 40.0 cm. $(15\frac{3}{4} \text{ in.})$

Cairo, Museum of Islamic Art. 4297 Purchased 1916

Inscriptions

Band on socket:

هذا ما اوقف على الحجرة النبوية مولانا السلطان الملك الاشرف ابو النصر قايتباى بتاريخ سنة سبع وثمانين وثمانمانة

This was endowed to the Shrine of the Prophet [at Medina] by our master, the sultan al-Malik al-Ashraf Abu'l-Nasir Qaitbay, dated in the year eight hundred and eighty and seven [4.0. 1482/83].

Band on neck:

عز لمولانا السلطان الملك العادل المجاهد المالك الملك الاشرف ابو النصر قايتباي

Glory to our master, the sultan, the king, the just, the defender [of the faith], the royal, al-Malik al-Ashraf Abu'l-Nasir Qaitbay.

Two panels on shoulder: Repeats inscription on socket : adds after the name Qaitbay عز نصره (may his victory be glorious); and the following في شهر رمضان المعظم قدره :phrase after the date (in the exalted month of Ramadan).

Two roundels on shoulder:

السلطان ابو النصر * قايتباي * عز نصره The sultan, Abu'l-Nasir Qaitbay, may his victory be glorious.

Two panels on body:

عز لمولانا السلطان الملك العادل المحاهد سلطان * الاسلام والمسلمين الملك الاشرف ابو النصر قايتباي

Glory to our master, the sultan, the king, the just, the defender [of the faith], sultan of Islam and Muslims, al-Malik al-Ashraf Abu'l-Nasir Qaitbau.

Two medallions on body:

عز لمولانا السلطان الملك الاشرف * ابو النصر قايتباي * عز نصره

Glory to our master, the sultan al-Malik al-Ashraf Abu'l-Nasir Qaitbay, may his victory be glorious.



The donation of objects to the Mosque of Medina was also considered a pious act on the part of the Mamluk sultans. Qaitbay (1468–96), an outstanding patron of the arts, commissioned a number of new buildings in the capital and restored many existing structures in the provinces. The restoration of the Mosque of Medina was of particular interest to him, and he donated at least five candlesticks to that structure in 1482, including this example.

The candlestick of Qaitbay is decorated with bold inscriptions and naturalistic floral scrolls that characterize the stylistic features of his age. The socket contains an uninterrupted inscription panel enclosed by braided rings. The neck has another continuous inscription band framed by two floral scrolls with abstracted lotus buds and peony blossoms. Another floral scroll followed by a braided ring joins the neck to the shoulder. The shoulder has an inscription band broken by two epigraphic roundels and is enclosed by a floral border.

The body is divided into three unequal horizontal zones by braided rings. The two narrow strips at top and bottom have floral scrolls, the lower one is adorned with large lotus and peony blossoms. The wide central portion contains an inscription broken into two panels by large epigraphic medallions with scalloped borders. Floral decorations appear behind the panels and medallions.

The large inscriptions on the neck and body are written in an unusual manner: the vertical shafts of the letters cross at the top to form a series of pincers enclosing lotus buds. This convention also appears in inscriptions on other pieces of contemporary metalwork (see no. 35).

The epigraphic blazons on the shoulder and body are divided into three fields containing phrases that are commonly found on Qaitbay's objects (see also nos. 9 and 35).

Although silver inlaid brasses continued to be produced in this period, a new style of decoration employing a simpler technique (as exemplified by this candlestick) was becoming increasingly popular. Objects were incised with a sharp tool and a black bituminous material was applied to the sunken areas of the background. This black substance was always used in metalwork and provided a dark ground to the silver and gold inlays. During Qaitbay's reign, however, this black material begins to be used alone in contrast with the polished brass surfaces, thereby creating a feeling of depth. This practice became predominant in the ensuing years, replacing the technique of inlaid metalwork.

Published Wiet 1932, no. 4297 and pl. XXXIV. Melekian-Chirvani 1969, p. 115. London 1976, no. 226.

Notes

- 1. Wiet 1932, app. nos. 338-42. 2. For some two dozen objects bearing
- 2. For some two dozen objects bearing Qaitbay's name see Wiet 1932, app. nos. 355-77. See also Melekian-Chirvani 1969 (with additional references). Among the pieces made for his court is a silver-inlaid ewer made by Ahmad for his wife, now in London, Victoria and Albert Museum. 762-1900 (D. S. Rice 1953a, pl. v1).



Bowl with articulated base Brass: inlaid with silver

Circa 1470 90

Made for Sultan Qaitbay

Height: 13.0 cm. (5\frac{1}{8} in.)

Diameter of rim: 32.0 cm. (125 in.)

New York, The Metropolitan Museum of Art. The Edward C. Moore Collection, 91.1.565 Bequest of Edward C. Moore, 1891

Inscriptions Four panels on body:

عز لمولانا السلطان الملك * الاشرف ابو النصر قايتباي اعظم سلطان * سلطان الاسلام والمسلمين * الملك الاشرف ابو النصر قايتناي السلطان

Glory to our master, the sultan, al-Malik al-Ashraf Abu'l-Nasir Qaitbay, the great sultan. sultan of Islam and Muslims, al-Malik al-Ashraf Abu'l-Nasir Qaitbay, the sultan.

Four medallions on body

الملك الأشرف * قايتباي * عز نصره

al-Malik al-Ashraf Qaitbay, may his victory be alorious.

The production of metalwork, which had declined during the first half of the fifteenth century, was revitalized under the patronage of Qaitbay, who brought relative peace and prosperity to the Mamluk empire. Even though the splendid examples of fourteenth-century inlaid brasses could not be recreated, the artists of Qaitbay's period revived traditions and created new forms and designs. One of the innovations of the age is the production of bowls with articulated bases composed of a series of scallops or triangles executed in relief. New developments appear in epigraphy, in which vertical letters form pincers at the apex, and in naturalistic floral scrolls containing lotuses, peonies, and blossoms with a spiked petal and two curling lobes (see no. 34).

This bowl characterizes the style of metalwork produced at the end of the fifteenth century The thin edge of the lip is adorned with a floral scroll, now abraded. The straight rim has a floral scroll with lotus blossoms, peonies, buds, and spiked leaves on a tightly wound scroll ground.

The main panel of the body is decorated with inscriptions on a tightly wound scroll, enclosed in four oval units alternating with lobed medallions. A continuous thin strip encloses each unit, looping around the ovals and medallions. The medallions bear epigraphic blazons of the sultan in three registers on an extremely fine scroll. Between the or als and medallions is an elaborate knot with bang lotus blossoms in the corners. The lower portion of the bowl has a series of twenty-four salling decorated with lotus blossoms, peonies (if and injuries

The bottom of the bowl, heavily abraded, reveals an elaborate design in two concentric zones. The core of the inner zone is too worn to be identified: it is encircled by six medallions with geometric designs enclosing a central rosette. Six twelve-pointed stars surround the medallions. The units are linked to one another by a continuous thin strip and placed on a fine floral ground. The outer zone is filled with a floral arabesque containing knots, buds, split leaves. and blossoms; it is enclosed by a thin strip, which also loops around the scallops on the lower portion of the walls. The execution of the bottom is extremely refined, and the overall effect recalls manuscript illumination (see nos. 7-8).

The interior of the base repeats the layout of the two concentric zones: the inner ring is plain. the outer one has a floral ground with twelve lotus blossoms, peonies, and other flowers

Even though the piece, particularly the articulated base, is worn and has been repaired, it must have been quite spectacular in its pristine condition. Silver inlay, which appears as small dots in the floral scroll on the rim and in the main panel on the body, is carelessly and haphazardly rendered, indicating a later attempt to improve the appearance of the piece.

There exists a number of similar bowls dedicated to Qaitbay, the most magnificent of which, in the Turkish and Islamic Arts Museum in Istanbul, is inlaid with silver and gold.1



Published Dimand 1944, p. 151. Melekian-Chirvani 1969, p. 133 and fig. 34. Notes 1. Güvemli and Kerametli 1974, p. 48.

36

Box

Brass: inlaid with silver

15th century

Made for al-Wathiq bi'l-Mulk al-Wali ibn

Muhammad

Made by Muhammad ibn Ali al-Hamawi

Height: 10.2 cm. (4 in.)Length: $17.0 \text{ cm.} (6^{11}_{16} \text{ in.})$ Width: $8.0 \text{ cm.} (3^{1}_{8} \text{ in.})$

New York, The Metropolitan Museum of Art The Edward C. Moore Collection, 91.1.538 Bequest of Edward C. Moore, 1891 Inscriptions
Cartouche on top of lid:

مما عمل برسم الواثق بالملك الولى بن محمد محمد بن على الحموى الموقت بالجامع الاموى

One of the things made for al-Wathiq bi'l-Mulk at-Wali ibn Muhammad. Muhammad Ali al-Hamawi, the timekeeper in the Umayyad mosque.

Cartouche in front of body: Not deciphered. Cartouche on right side of body:

ولصاحبه السعاده والسلامه وطول العمر وعز لا يدانيه هوان وقبال الى يوم انقيامه

And to its owner happiness, security, longerity, glory unmarred and prosperity to the Day of Judgment.

Cartouche on left side of body:

يارب النت رجائي وفيك حسبت ظني فاغفر لى ذنوبهي وعافني واعف عني

O God! You are my hope and in you I assured my doubts, forgive me for my sins.

Cartouche at back of body: Not deciphered.

The inscriptions on several pieces of fifteenth-century metalwork are poorly written and require interpretative reading. This small oval box with flat top appears to have been made for an unknown patron by an artist named Muhammad ibn Ali al-Hamawi (from Hama), who was the timekeeper at the Great Mosque of Damascus. The work represents a provincial type of metalwork available to the middle classes and differs in quality from those produced in the capital for the court.

In spite of the fact that the maker had problems copying the inscriptions, the box is well designed and executed. The top of the lid has an oval panel filled with floral motifs: in the center written in two lines is a lobed unit containing the names of the patron and the artist: on either side is a cartouche joined to the central unit by knotted motifs. A scroll composed of trefoils and split leaves encircles the scooped shoulder of the lid. The front and back sides of the lid are adorned with a pair of cartouches linked by knotted elements and large scrolls. Loose floral scrolls fill the cartouches and the interstices.

The body is divided into three horizontal zones: the upper and lower bands are filled with loose floral scrolls interrupted by trefoil finials of the lobed units in the central panel. The wide central panel has four cartouches with inscriptions in the center of each side. Lobed medallions with trefoil finials on the vertical axis appear between the cartouches to which they are joined by knotted motifs. The inscriptions, written in two registers, bestow good wishes and contain pious phrases. The frontal hasp appears to be a later addition and is decorated with a combination of four letters thought to have a symbolic meaning.

The specific function of this box is not clear, although the oval shape resembles fourteenth- and fifteenth-century food containers. Some of these containers have handles on the lid. others have knobs: they are either single or stacked to form up to three units. Such boxes were used to carry food, each unit containing a different preparation. This box, the shape of which seems to have been inspired by food containers, must have been used to protect small and precious items.

Unpublished

Notes

1. Wiet 1932, pls. LXV-LXVI and LXIX. See also Allan 1971



37 Bowl Brass: engraved Late 15th century

Height: 9.3 cm. (311 in.)

Diameter of rim: 16.5 cm. $(6\frac{1}{2}$ in.)

New York, The Metropolitan Museum of Art. 1978.551. Gift of Charles and Irma Wilkinson, 1978

Inscriptions
Five panels on body:

نا طسى حوكل المعانى «نصيرى ... المنا والامانى» لويي والصنع لون جعال وطرا «والبريع فى بنيائي عز من برا «...

I am a bowl which contains all meaning.

My helper...wishes and aspirations. My color
and workmanship are beautiful and flattering and
the excellence of my construction....

The production of metalwork rapidly declined after the reign of Qaitbay. The empire was faced with a great financial crisis, and wars with the Ottomans and Turkmans had drained the treasury. No longer able to afford silver and gold, metalworkers relied on incised and engraved designs and made smaller pieces. The reduction in size of the objects clearly indicates that the objects were being produced for a conservative and frugal society.

This small bowl reveals a highly refined execution even though it is not inlaid with expensive materials. Its only decoration is a band composed of three registers adorning the upper walls. The upper register has delicate strapwork intersected by ten roundels, each filled with a tightly wound spiral scroll. The next zone has ten medallions decorated with a similar scroll that forms four internal volutes. The panels between the medallions contain alternating designs: inscriptions on a tightly wound scroll and an overall arabesque with split leaves. The lower register repeats the layout and design of the first. A continuous band encircles the registers and loops around the roundels and medallions.

A series of ten triangular cartouches filled with spiral scrolls appears below the medallions. Split palmettes extend from each cartouche, and a finial composed of a spiked leaf with two curling lobes hangs toward the base.

Although the design has been abraded through centuries of use, the delicacy of workmanship is still apparent. The artist was very proud of his work, as indicated by the inscriptions that prase the bowl.

Unpublished







Inscriptions

Four panels on body: Not deciphered

This basin, one of the last examples of Mamluk metalwork produced before the Ottoman conquest in 1517, reveals the persistence of traditional designs and motifs as well as the use of new materials. The economic depression of the age caused expensive metals such as silver and gold to virtually disappear from the market, and even brass became prohibitive. Artists resorted to the less expensive copper and applied a thin wash of tin to improve its appearance and produce a more pleasant contrast with the bituminous material applied to the background.

The piece has a rounded base with straight sides. Adorning the rim is a series of thin bands. one of which is braided. The walls are divided into three unequal horizontal zones: the upper and lower bands are identical in design and contain eight oblong panels filled with strapwork. alternating with roundels composed of six

overlapping petals.

The central zone has eight scalloped medallions filled with a type of fretwork found on early Mamluk inlaid brasses (see nos. 10-11, 13-16. 18-19, and 23-24). The panels between the medallions have either a dense and minutely executed floral scroll with split leaves or thuluth inscriptions written in two registers on a crosshatched ground. A continuous ribbon, which encircles the panels and loops around the circular units, defines and joins each segment. The bottom is plain and the interior is undecorated.

The inscriptions are not clear and could not be read. Although several words can be deciphered, it is difficult to make sense out of the entire passage, which appears to express lofty sentiments and

good wishes.

The composition and decorative themes on this basin appear frequently in late-fifteenth- and early-sixteenth-century metalwork. They are found on several bowls and food boxes, some of which bear dedications to Mamluk amirs. The inscription on one of these bowls states that it was made by Rustam ibn Abu Tahir.3

The particular themes employed on this example were also used on printed cloth dating from the same period (no. 122), suggesting that this style was highly favored at the end of the Mamluk empire.

Unpublished

1. Similar trays and lunch boxes are published in Allan 1969 and 1971. See also Naples 1967, nos. 16-25 and figs. 17-18. 2. A bowl in Cairo, Museum of Islamic Art, 8124, was made for

Amir Qasrawah circa 1500 (Wiet 1932, pp. 135–36, pl. xLv). The same collection has two boxes, 3368 and 3959, the latter made for Amir Taimur (Wiet 1932, pls. LXVI and LXIX) 3. Mayer 1959, p. 80 and pl. XII.

39 Trav

Copper: tinned, engraved Late 15th early 16th century Made for an anonymous amir

Height: 5.0 cm. (2 in.) Diameter: 38.1 cm. (15 in.)

Washington, D.C., Embassy of the Arab Republic of Egypt, 15944

Inscriptions
Medallion in center

مما عمل برسم الكريمي العالى المولوي الاميري كميري

One of the things made for the honorable, the sublime, the master, the great amir.

This tray belongs to a series of tinned-copper pieces produced during the last decades of the fifteenth and the early years of the sixteenth century. The shape of the tray deviates from the larger and flatter fourteenth-century examples (see nos. 14 and 22): it is smaller and deeper, recalling plates executed in ceramics.

The foliated rim has a simple scroll. The cavetto contains six oval cartouches placed between six medallions: these units are framed by a scroll and joined by two thick bands that intersect and loop around them. The cartouches are filled with a dense floral arabesque composed of split leaves or strapwork, identical to those motifs seen on two contemporary pieces (nos. 37–38). The six medallions also have alternating designs: three contain a composite blazon and three have a y-fret pattern.

The base of the tray is divided into three concentric zones, in the core of which is a medallion with the same composite blazon seen on the cavetto; enclosing it is a ring of inscriptions placed on a floral ground. The next zone has four superimposed trefoils, which overlap and create a series of triangles and lozenges alternately filled with y-fret patterns and strapwork. Another scroll frames the central composition.

The composite blazons consist of a circular shield divided into three fields: the upper bar contains a napkin, the central bar has a cup charged with a pen box and flanked by two powder horns, and the lower bar displays another cup. This emblem with six heraldic signs was used by Sultan Qaitbay and his amirs, two of whom later ascended the throne and continued to use this blazon until the Ottoman conquest of Egypt. It appears on rugs and textiles (see no. 124) and on trays, bowls, and lunch boxes dating from this period. This blazon was also used by ladies of the court and is found on a brass basin made for Fatima, the wife of Sultan Qaitbay.

 $o_{nbl,-hol}$ Embessy 1954, pp. 24–25, no. p





40

Drum

Brass: inlaid with silver

loth century

Height: 14.7 cm. (53 in.)

Diameter of rim: 27.4 cm. $(10\frac{3}{4}$ in.)

New York, Madina Collection, M11

Inscriptions

Three panels on walls:

The sublime excellency, the royal, the warrior [of the frontiers]. . . .

An essential, and obligatory, function of Mamluk metalworkers was to supply the army with arms and armor. They produced both practical weapons and richly adorned arms and armor for ceremonial use. Mamluk society was based on a rigid military hierarchy, each rank provided with its specific weapons and outfits. The Amirs of Forty were among the privileged officers who were granted their own *tablakhana*, that is, military band. Members of these bands accompanied the amirs in battles and ceremonial activities, playing an assortment of drums, horns, and cymbals (see no. 1, fig. 1). During battles they not only encouraged the soldiers but also demoralized the enemy. The drum was most effective, its thundering beat accelerating the attack or announcing the arrival of the amirs.

This example has lost its inlay and a portion of the side is missing. Its shape with flat bottom, flaring sides, and straight rim is characteristic of Mamluk drums. The rim is pierced with sixteen equally spaced holes used to attach the skin to the top: several other holes have been drilled when the drum was repaired at a later date. The swelling sides are decorated with a large inscription panel placed on a spiral ground interrupted by three medallions, each containing a large lotus blossom enclosed by a floral scroll. The tapering lower portion has a band filled with intersecting chevrons, its background textured with circular punches.

An identical band encircles the bottom, in the center of which is a sixpetaled rosette surrounded by a twelve-pointed star. Braided bands frame each of the zones and loop around the large medallions.

Although Mamluk drums are not found in abundance, several examples are owned by European museums. Since their decorations and dedications are fairly standardized, they can only be roughly dated between the fourteenth and fifteenth centuries

Certain decorative motifs—such as the spiral scroll ground of the inscriptions, large lotus blossoms in the medallions, and twelve-pointed stars—indicate that the Madina drum may have been made in the fifteenth century (see also no. 35).

Unpublished

Votes

London, British Museum, 1966 10, 194; Berlin, Museum f
 ür Islamische Kunst, i 10163 (Berlin, 1965, no. 46); Paris, Louvre, 1895 (Paris, 1977, no. 422)



41 Helmet Iron-gilded Circa 1430 Made for Sultan Barsbay

Height, excluding neck guard; 32.5 cm, (12 3_4 in.) Diameter of base; 22.3 cm, (8 $^{13}_{16}$ in.)

Paris, Musée du Louvre, 6130 Gift of The Friends of the Louvre, 1908

Inscriptions Central medallion on peak:

عز لمولانا السلطان ا sic ا

Glory to our master, the sultan

Two oval cartouches on peak.

عز لمولانا السلطان الملك الاشرف ناصر |sic|* الدنيا والدين ابو النصر برسباى ... عز نصره (٢) العز والاقبال

Glory to our master, the sultan al-Malik al-Ashraf Nasir al-Dunya wa'l-Din Abu'l-Nasir Barsbay . . . may his victory be glorious, glory and prosperity.

Central medallion on neck guard:

عز لمولانا السلطان

Glory to our master, the sultan,

Two oval cartouches on neck guard:

عز لمولانا السلطان المالك الملك الأ (شرف) ... و المصر برسباى عز نصره

Glovy to our master, the sultan, the royal, al-Malik al-Ashraf . . . Abu'l Nasir Barsbay, may his victory be glorious.

The inscriptions on the Louvre helmet state that it was made for Sultan Barsbay (1422–38), whose reign titles were al-Malik al-Ashraf. This sultan's name also appears on two gilt iron mirrors, one in Cairo, the other in İzmir. He also built a large madrasa in Cairo, to which he donated several magnificent Korans (see nos. 7–8; also no. 107).

Barsbay's helmet has an elegant ovoid shape with only a suggestion of fluting. A knobbed plume socket appears at the apex, and a gilt band with oval cartouches and medallions containing inscriptions and floral scrolls adorns the lower edge. Although the gilt inscriptions on this band have worn off, those on the peak (or visor) and neek guard are well preserved.





The peak is attached to the front with six studs and has two oval cartouches flanking a medallion. The movable nasal in the center terminates with a triple-plume-shaped motif: it slides through the groove in the middle of the peak and the carrier attached to the helmet. The nasal, decorated with floral motifs, contains the mark of the İstanbul arsenal and may have been added to the helmet during the Ottoman period. Also dating from the Ottoman period is a patch applied to the damaged portion at the side.

The neck guard, attached to the helmet with three flexible double-jointed links, also has oval cartouches flanking a medallion. This portion. by far the best preserved, is decorated with additional bands of floral scrolls that encircle the medallion and enclose the cartouches. Three of the original leather straps used to attach the chain mail are preserved inside the helmet. When the helmet was used, plumes and ribbons were affixed to the finial at the apex.

The richest collection of Mamluk arms and armor is housed in the Topkapı Palace Museum in İstanbul. The Ottoman sultans admired the military equipment of the Mamluks and confiscated a substantial number of weapons after the conquest of Cairo. These items were kept in the Imperial Arsenal on the Topkapı Palace grounds and the mark of the arsenal was stamped on each piece. This mark appears on Barsbay's helmet, indicating that it was once in the imperial Ottoman collection. Since most Mamluk arms and armor in Istanbul date from the reign of Qaitbay and ensuing Mamluk sultans, this helmet would have been one of the earliest in the collection.

It is at times difficult to differentiate between Mamluk and Ottoman helmets, which employ similar shapes and decorative motifs. The oldest extant Mamluk helmet, now in Brussels, is thought to be from the first half of the fourteenth century.2 Another, dating from the second half of the fifteenth century is worn by the equestrian figure on display in the Islamic galleries of the Metropolitan Museum of Art in New York.3

Migeon 1922, vol. 1, no. 53 and pl. 18 Mayer 1943, p. 7 and fig. 8. Mayer 1952, p. 43 and pl. vn Kühnel 1963, p. 203 and fig. 162 H. R. Robinson, 1967, p. 80 and fig. 44

Kühnel 1970, p. 195 and fig. 162 Angoulème 1974–75, no. 69. Paris 1977, no. 411 Rogers 1978, 79, p. 204 Marcq-en-Barceul 1979, no. 131

Published

- 1. Cairo, Museum of Islamic Art. 15246 (Wiet 1932, app. no. 309 Cairo 1969, no. 81). The Izmir mirror is published in Riefstahl 1931, p. 116 and fig. 228 2. Mayer 1952, pp. 41–42 3. This piece, 36 25.116, appears to date from the last quarter of
- the fifteenth century

12 Sword Gilt steel blade; gilt silver crosspiece; horn hilt Circa 1501 Made for Sultan Tumanbay 1

Length: 93.0 cm. (365 in.)

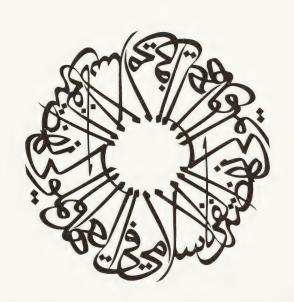
Cairo, Museum of Islamic Art. 5267 Purchased 1919







GLASS



The Mamluks inherited a rich tradition of glassmaking, which they exploited to the fullest. Artists excelled in the execution of enameled and gilded glass, producing at first small vessels with delicate compositions, then creating dazzling oversize objects, which reveal a tour deforce unequaled in any glass tradition. This burst of creativity occurred around 1300, continued until the middle of the fourteenth century—at which time production of enameled and gilded glass began to decline—and disappeared after 1400.

The disappearance of enameled and gilded glass is one of the mysteries of the Mamluks, and so far no logical explanation has been proposed. The sack of Damascus by Timur in 1401 is most frequently cited as the reason for the termination of the tradition; it is thought that Timur not only destroyed the Syrian glass industry but took Mamluk glassmakers back with him to Samarkand. And yet no great glass tradition is known to have existed in Turkestan in the fifteenth century, and the status of Egyptian glassmakers, who were undisturbed by the Timurid invasion, has not been fully discussed in scholarly literature.

Although Syria was the main center for glass production in the Mamluk period, artists in Egypt were also actively involved, particularly in the manufacture of lamps commissioned by the court throughout the fourteenth century. The destruction of Damascus was detrimental to the glass industry and proved to be fatal when combined with the economic recession and growing inflation that curtailed the demand for luxury items. A similar decline in production and lack of imperial patronage was observed in the tradition of metalwork. It is also possible that a change in taste occurred at the same time, with patrons preferring to purchase porcelain imported from China.

While enameled and gilded glass was made for the court, the general public was provided with a variety of simpler transparent and opaque glass pieces, some of which rivaled the quality of imperial wares. Transparent glass was colorless or tinted blue, green, brown, or purple—the same range of colors employed in opaque glass. Glass objects were often decorated with tooling, applied thread, and colored inlay.

Mamluk artists produced every conceivable shape applicable to the medium of glass, including beakers, cups, goblets, flasks, bottles, bowls, basins, vases, stands, and lamps. The enameled and gilded pieces were varied in shape and were often executed in ostentatious sizes, obviously as show pieces intended for ceremonial use.

Enameled and Gilded Glass

The glass tradition of the Ayyubids has not been thoroughly studied. Existing pieces indicate highly developed techniques and an extensive decorative vocabulary employing figural compositions, arabesques, floral motifs, and inscriptions. Among surviving intact pieces are a number of beakers with an inscription band encircling the rim. Some

are decorated with rows of swimming fish, others have animals and trees or revelers and musicians. A beaker with flat base, straight sides, and flaring rim was the model for Mamluk glassmakers, who also reproduced a bottle with a tall slender neck adorned with a ring. The earliest example of a bottle with this shape was produced in the middle of the thirteenth century for Salah al-Din Yusuf, the last Ayyubid sultan of Syria. The designs of the late Ayyubid examples make abundant use of gilding and are outlined in red and filled with black, white, red, blue, green, and yellow enamels.

Early Mamluk glassmakers continued to employ Ayyubid shapes, techniques, and decoration. Figural compositions were produced until the turn of the fourteenth century, at which time they began to be replaced by the epigraphic style characterized by bold inscriptions and floral motifs. A parallel development was observed in the tradition of metalwork.

The most interesting figural compositions on early Mamluk glass produced between 1250 and 1300 occur on small beakers, flasks, and bottles. An exquisite beaker in the Louvre is decorated with three lively riders,² and a unique flask in the British Museum shows two cloaked riders placed above medallions representing a drinker and lyre-player.³ This flask also has floral scrolls composed of animal heads, resembling the fantastic arabesque scrolls of early Mamluk metalwork (for instance, nos. 10, 13, and 22). At times figures are placed within an architectural setting, as in the pair of beakers in the Walters Art Gallery in Baltimore (nos. 44–45).

Figural compositions were combined with heraldic symbols, some of which were not established as true blazons in the experimental stage of the development of Mamluk heraldry. A perfume sprinkler in the Louvre, made in the middle of the thirteenth century, has architectural compositions on the sides, with central medallions representing an eagle. The eagle most likely constitutes a symbol of royalty and not the blazon of an individual ruler, similar to its representation on early Mamluk metalwork (see nos. 11–12).

Another flask has a shield with a lion above a series of bends or diagonal lines (no. 46). A curious vessel, thought to be a lamp, with rounded base and broken neck, displays a blazon with a lion on a napkin; its inscription gives the name Altunbugha (died 1293), an amir in the service of Sultan Baybars. The lion was the heraldic emblem of Baybars and was also used by his officers, who added their own signs of office. The bends of the perfume flask identify a Syrian official, while the napkin on the "lamp" symbolizes the *jamdar* or master-of-therobes, a position held by Altunbugha.

A similar "lamp" in the Louvre, also with a broken neck, depicts eagles or harpies alternating with shields enclosing triangles; this example was made around 1295 for Umar II, Rasulid sultan of Yemen.⁶ A bottle in Berlin with a tall slender neck and rounded body, dated to the last quarter of the thirteenth century, depicts a series of riders and five-petaled rosettes, the blazon of the Rasulid dynasty.⁷

The Louvre "lamp" made for Umar II obviously predates the establishment of the proper Rasulid blazon that appears on the Berlin bottle, although the rosette was used a few years earlier on a metal tray (no. 14), made around 1290 for Umar's father, Yusuf. Decorative motifs resembling blazons also appear on a perfume sprinkler dating from the same period (no. 47).

The execution of human figures on early Mamluk glass is extremely refined and detailed, revealing the hand of master painters. Among the pieces produced in this style is a bowl with the signs of the zodiac (no. 48), an oversize beaker decorated with riders, and one of the earliest Mamluk lamps, sparsely adorned with mounted figures. Figural compositions are often combined with delicately drawn floral scrolls, braided bands, and inscriptions. Many pieces have fluting (nos. 48–49), a decorative feature that falls out of fashion in the fourteenth century.

The first half of the fourteenth century was the most brilliant period of gilded and enameled Mamluk glass. A chronological sequence for Mamluk glass is provided by the mosque lamps that bear the names and blazons of sultans and amirs. Although none of the lamps have dates, they were made for specific religious foundations that are dated. Objects made for secular use—such as large bottles, goblets, and basins—generally contain dedications to anonymous patrons, with the exception of those commissioned by the Rasulids, which almost always bear the names of the sultans. The inscriptions reveal information about the glass industry and the demands made upon the artists. Secular pieces were mass-produced, expensively and exquisitely decorated for purchase by wealthy clients. Others were made according to specification for the sultans of Yemen, and mosque lamps were commissioned by the court for religious establishments. It is conceivable that the lamps were also mass-produced since their designs follow a predetermined format: after a piece was made the names of the patron could be inserted into the inscription panels and his blazons painted in the medallions reserved for this purpose.

Among the secular pieces are a series of bottles or vases in three slightly different shapes: the first has a tall slender neck with a bulbous body and low foot (no. 49), the second has an applied ring on the neck and a body that swells toward a high flaring foot (no. 50), and the third resembles a lamp with a pair of trailed handles applied between the neck and shoulders. Judging from the surviving examples, the most popular shape was the first, which made its appearance in the third quarter of the thirteenth century as represented by the Berlin bottle decorated with riders and Rasulid blazons. Such bottles are usually adorned with fabulous phoenixes, winged creatures, quadrupeds, coosters, and lions: figural compositions depicting riders, dancers, and revelers; and arabesque and inscription bands interrupted by medallions enclosing lotus blossoms. One of the more unusual bottles bears a pen box, the blazon of the dawadar or secretary and includes the name of Sayf al-Din Jurji, who was in the service of Sultan Hasan. 10

Similar decorations appear on the second type of bottle with a ring

on the neck, which follows a mid-thirteenth-century example made for the last Ayyubid sultan of Syria. ¹¹ One of these bottles (no. 50) was commissioned by Dawud, Rasulid sultan of Yemen, and another was ordered by his son, Ali. ¹² A third example was made for Toquztimur, an amir of Sultan Nasir al-Din Muhammad appointed governor of Damascus in the 1340s. ¹³ Toquztimur's blazon, which consisted of an eagle standing above a cup, appears in three medallions on his bottle. The five-petaled rosette is found on those ringed-neck bottles made for the Rasulid sultans Dawud and Ali.

The third bottle type, with trailed handles, was not as popular as the others. One of these bottles bears a six-petaled rosette, thought to be an imperial symbol associated with the house of Qalawun; it was possibly made for him or for one of his immediate followers. ¹⁴ A similar piece with five-petaled rosettes was ordered by an anonymous Rasulid sultan. ¹⁵

Goblets or stemmed cups, which represented the office of the *saqi* (cup-bearer), were also executed in enameled and gilded glass. Many goblets are very large and spectacularly decorated. Among the earliest is an example in the Metropolitan Museum of Art in Xew York, which has figural decorations and a shield with an eagle. Several goblets have a thick glass scroll applied to the middle of the stem and are made of three joined sections (bowl, stem, and foot). 17

Another Mamluk shape is a footed bowl with domical lid. Its body is similar to the shape of a goblet but is squatter. Only two lidded examples have survived intact, one in the Freer Gallery of Art in Washington. D.C., and the other in the Toledo Museum of Art. The body of the Freer example is exquisitely adorned with a frieze of real and fantastic predators and prey, interrupted by three medallions with a phoenix painted in reserve on a turquoise ground. The Toledo piece has an inscription panel broken into four sections by lotuses. Surmounted by small domes with globular knobs at the apex, the domical lids of both pieces are identical. The survey of the same production of the same production of the same production of the same production.

By the middle of the fourteenth century. Mamluk glassmakers were able to produce any given shape. In addition to bottles, goblets, and footed bowls, they shaped and decorated basins based on metalwork models.20 A basin bearing the Rasulid blazon was made between 1300 and 1320 for Sultan Dawud.²¹ The Rasulid sultans also commissioned large bowls: one of these has a sturdy foot and is dedicated to Ali;22 another, with an ovoid base represents unicorns, sphinxes, and griffins. 23 This example must have rested on a cylindrical stand made of glass or metal.24 A similar shape, that is, a cylinder with a ring around the midriff, also served as a lamp and is unique among hundreds of hanging lamps. An example in Lisbon, dedicated to Sultan Nasir al-Din Muhammad, has a conical support for inserting a candle in the base.25 Among other unusual objects are a basinlike vase (no. 51), a flat-bottomed plate with shallow walls,26 a candlestick imitating brass examples.27 and the "Toledo flagon," inspired by unglazed and molded pottery canteens.28 A unique jar decorated with riders and a

tiny kidney-shaped perfume bottle adorned with eight musicians made in the second half of the fourteenth century reveal the last vestiges of the figural style.²⁹ The Treasury of the Cathedral of Saint Stephen in Vienna owns several rare Mamluk glass vessels, including a double-handled bottle and a large pilgrim flask representing riders and musicians.³⁰

Several pieces of enameled and gilded fourteenth-century glass are recorded as having been acquired in China, suggesting that Mamluk pieces were cherished not only in the West but in the East as well. Among the pieces found in China is a large bottle or vase with four strap handles, its neck bearing shields containing the Rasulid blazon.³¹ This robust piece may have been sent as a gift to the Chinese court by one of the sultans of Yemen who had commercial and diplomatic links with the Eastern empires.

It is for lamps that Mamluk glassmakers are best known. The sultans and amirs commissioned hundreds of oversize lamps to adorn their religious establishments in Cairo, most of which were removed in 1881 by the Comité de Conservation des Monuments de l'Art Arabe and deposited in the Museum of Islamic Art.³²

The Mamluk lamp has a characteristic shape with wide rim, high flaring neck, sloping shoulders with six applied handles, bulbous body, and prominent footring (nos. 52–53). The necks of lamps made for religious buildings always contain the celebrated Ayat al-Nur (Verse of Light, XXIV:35), which pertains to the manifestation of divine light:

God is the light of the heavens and the earth; a likeness of His light is like a niche in which there is a lamp; the lamp is in glass; the glass is as if it were a shining star.

Thus, the lamp became the symbol of divine light and often appears in representations of the mihrab in prayer rugs and in architectural decoration (see no. 111). These lamps not only symbolize celestial radiance but also provide soft and shimmering light for lofty interiors. Although the generic term in Western literature for these lamps is "mosque lamp," only those bearing the Ayat al-Nur can definitely be assigned to religious monuments. Those lacking this Koranic passage were likely made for use in residential palaces and mansions.

The names of Khalil (1290–93). Baybars II (1309–10), and Nasir al-Din Muhammad (1293–1341, with interruption) appear in the earliest lamps commissioned by sultans. Only one lamp dedicated to Sultan Khalil has survived:³³ two are known to have been made for Baybars II:³⁴ and at least a dozen bear Nasir al-Din Muhammad's name.³⁵ The sultan who appears to have been the most preoccupied with lamps was Hasan (1347–61, with interruption). He literally covered the ceilings of his famous madrasa and mausoleum with lamps (no. 52), some of which were attached to glass globes or "eggs." The decorations on Sultan Hasan's lamps reveal the full artistic repertoire developed by Mamluk artists: some pieces have the Ayat al-Nur on the neck and a dedication to the sultan on the upper portion of the body: others are decorated with lozenge-shaped panels with floral motifs or

overall designs with lotus blossoms amidst leaves. Imperial epigraphic blazons often appear in medallions on the neck and lower part of the body.

The production of enameled and gilded glass, particularly lamps, declined in the second half of the fourteenth century after the reign of Sultan Hasan. The few lamps commissioned around 1370 by Shaban II are sparsely adorned with cartouches and bands that reveal a marked deterioration in quality from mid-fourteenth-century examples. Sultan Shaban's mother, an otherwise important patron of the arts, provided her favorite madrasa with plain glass lamps.³⁷

There was a brief revival of the technique during the reign of Barquq (1382–99), who put an end to the house of Qalawun and established the Burji Mamluk rule. Nearly forty lamps are known to have been made in the 1390s for Barquq's mosque. ³⁸ This decade witnessed the last great effort on the part of Mamluk glassmakers, who were capable of recreating the rich designs employed by the early masters but were unable to equal their technique. Although Barquq's lamps were made in abundance, there is a noticeable lack of care in the painting. Presumably, the lamps had to be produced rapidly, and masters worked alongside less experienced apprentices.

In the fifteenth century only a few lamps were made. Two were commissioned by Sultan Shaykhu around 1420: an amir by the name of Qanibay ordered one two decades later; Amir Inal, who later became sultan, commissioned another around 1450: and only one made for Qaitbay at the end of the Burji period has come to light. ³⁹ It is only fitting that the last imperial mosque lamp was made for the celebrated Qaitbay, who tried valiantly to revive both the arts and the economy of the state.

Because they bear a variety of blazons, lamps made for amirs are far more interesting than those produced for sultans. The bow appears on the lamp of Aydakin, the bunduqdar (bowman), commissioned for his foundation in Cairo built in 1284-85 and known as the Khanqa al-Bunduqdariyya. Amir al-Malik, the juqandar (polo master) ordered two lamps depicting a pair of polo sticks for his mosque completed in 1319 in Cairo. Ahmad al-Mihmandar ordered for his mosque dated 1324-25 a lamp bearing his pointed shield. Among the most unusual blazons is a shield in which a horse stands beneath a parasol or dome. It is thought to represent a ceremonial saddle, symbolizing the office of the jawish (royal usher or messenger), and appears on a lamp in Lisbon.

The amirs of sultans Nasir al-Din Muhammad and Hasan competed with one another and rivaled the rulers in the number of enameled glass lamps they commissioned. The most prominent patron was Toquztimur, who ordered the spectacular vase now in the Louvre. His blazon, a circular shield enclosing an eagle over a cup, appears on two refined lamps owned by the British Museum.

One lamp bearing the blazon of the *silahdar* (sword-bearer) was commissioned by Sayf al-Din Qijlis, who was in the service of Sultan

Nasir al-Din Muhammad. 45 Two other lamps with the sword blazon of the *silahdar* are not inscribed, but the lotus blossoms adorning these pieces are so similar to those found on Sultan Hasan's lamps that they were probably made for his sword-bearer. 46

One of the most important lamps was ordered by a cup-bearer of Sultan Nasir al-Din Muhammad. Amir Qusun. for his mosque completed in 1329/30. It bears the signature of the maker. Ali ibn Muhammad al-Rammaki (from Rammaka in Syria), on the foot between medallions with lotus blossoms.⁴⁷ The same artist signed another lamp made for Almas, whose mosque was also completed in 1329/30. Almas was the *jashnigir* (imperial taster) and used a round table as his blazon.⁴⁸ The artist misspelled his *nisba* in the inscription on Almas's lamp, writing "al-Ammaki" instead of "al-Rammaki." Ali ibn Muhammad is the only glassmaker whose name has been preserved.

The blazon of the cup-bearer appears on a lamp made for Altunbugha, who held the office in the 1340s; his contemporary Tugaytimur, a dawadar (secretary), employed a pen box, the sign of his office, in the bar above the cup on his lamp. 49 One of Sultan Hasan's cup-bearers. Shaykhu, commissioned almost a dozen lamps, which were most likely designated for his famous khanqa built in 1355 in Cairo. 50 Sarghithmish, the jamdar (master-of-the-robes) of Sultan Hasan, commissioned for his madrasa dedicated in 1356 lamps as well as decorative balls, which were suspended above the lamps. 51

Some lamps made for amirs do not represent blazons. For instance, a famous example commissioned by Salar, presumably for his mausoleum dated 1303/4, is adorned only with inscriptions and elegant floral decorations. For Blazons are also absent on lamps made for nonmilitary patrons. An example made around 1320 for a most remarkable man, Karim al-Din, is decorated only with inscriptions (no. 53), as is a contemporary piece dedicated to a governor named Taqi al-Din. Another person named Nasir al-Din Muhammad, son of the famous Amir Arghun, the dawadar of Sultan Nasir al-Din Muhammad, commissioned three lamps around 1330. Since he was the son of an amir and did not hold a military post, his lamps are devoid of blazons. All three lamps have lengthy inscriptions with the titles of the owner and those of his renowned father. It is possible that these were made for secular use since the traditional Ayat al-Nur is not included on the pieces.

The provenance of enameled and gilded glass is far more problematic than the dating of the pieces. Syria was the main center for the production of early Mamluk pieces. A number of Syrian artists, such as Ali ibn Muhammad al-Rammaki, must have moved to Cairo. where their work was in great demand. It is logical to assume that most of the mosque lamps were made in Egypt, since it was certainly easier—and safer—to transport artists rather than fragile glass objects.

Excavations at Hama have yielded all types of glass from the Ayyubid and Mamluk periods, indicating that Syrian artists were

quite prolific. Mamluk glass finds from Fustat have not yet been published, and limited material has been unearthed at Quseir. 55

Among important finds in Egypt is a bottle discovered at Qus (no. 49) together with a number of important pieces of metalwork and a small glass perfume flask. 56 The flask bears an inscription giving the name of Badr al-Din Muhammad, who was the governor of Qus under Sultan Nasir al-Din Muhammad. It is adorned with a band of musicians interrupted by two shields representing a circular motif often identified as the table of the *jashnigir*. It is difficult to attribute this little flask and bottle to a specific region, since they could have been made in Egypt or Syria.

The fabric of Mamluk enameled and gilded glass is bubbly and colorless, honey colored, or slightly grayish. The enamels are pure and brilliant white, red, blue, green, and yellow, with black used sparingly and only in the earlier pieces. Since the same technique and materials were used by artists working in both Egypt and Syria, it is difficult to differentiate between the two regions.

The decorative layout of glass objects is remarkably similar to that of metalwork, particularly after the first quarter of the fourteenth century. The surfaces are divided into horizontal bands, each broken by three or four medallions, while a continuous strip often encircles the compartments and links them with one another. The bands are filled with inscriptions, floral scrolls, flying birds, and running animals; the medallions bear large lotus blossoms, arabesques, heraldic symbols, and birds.

Mosque lamps are predominantly decorated with inscription bands and medallions bearing floral motifs or blazons. The inscription on the neck is often written in blue enamel on a gilded ground with a scroll of polychrome leaves and buds. The inscription on the body is generally rendered in gold on a blue ground enhanced with gold floral motifs. The decorations on some of the lamps with overall floral designs, such as those made for Sultan Hasan, are painted in reserve on a blue ground, with blossoms executed in gold.

After the vessels were blown, with the lip and foot often folded under or over, the handles and rings were applied. Some objects, such as large goblets, were made in separate sections and then reheated and fused together.

The decoration was first sketched with a thin red line and then filled in with thickly applied polychrome enamels and gilding. The entire surface of the piece was often completely covered with decoration. The artists frequently painted both the inside and outside of vessels with large openings, such as bowls, basins, and lamps. In several large bowls the inscription is written on the inner walls and can only be read by looking into the vessel. ⁵⁷

The technique of Mamluk glassmaking has a strong impact on the glass industry of Venice, which started producing enameled and gilded glass at the end of the fifteenth century. The Venetian industry replaced the already exhausted Mamluk tradition, monopolizing the

world market with luxury glass for years to come.

During the late nineteenth century, interest in "Moorish" interior decoration and the fad for Turquerie designs in Europe led to imitations of enameled and gilded Mamluk glass. Many wealthy homes had "Turkish corners," with divans, large cushions, low tables, and "oriental" accessories. European and American world fairs in the 1880s and 1890s often included pavilions and objets d'art reflecting this new taste, and artists were quick to follow the trend. Among the French glassmakers who copied Mamluk objects was Emile Gallé, who made pastiches of Islamic and pseudo-Islamic themes.⁵⁸ Joseph Brocard, a far more conscientious artist, obviously studied all the Mamluk glass available to him and even learned to accurately copy Arabic inscriptions. 59 He imitated mosque lamps in the Cluny Museum and those shown in Union Centrale's 1865 and 1867 exhibitions in Paris; he also copied specific pieces such as vases, goblets, bottles, and bowls found in various French museums and private collections. Mamluk glass also served as models for other glassmakers, including Antonio Salviati of Venice and Ludwig Lobmeyer of Vienna, as well as for Théodore Deck, the French ceramicist who translated Mamluk glass shapes and decorations into pottery.60

Other Techniques

Little attention has been paid to the simpler and more functional types of Mamluk glass, which were produced in abundance. There are a number of transparent purple glass vessels decorated with opaque white glass threads, which were combed into various swirling, festoon, or herringbone designs and marvered (see nos. 56–57). In some piece the applied threads were not combed, but the pieces were fluted, creating a rippling effect (nos. 54–55). Most of these vessels are small bowls, cups, beakers, and perfume or cosmetic flasks, as well as larger bottles and minuscule chess pieces and inkpots. One of the rarer pieces—similar to those found at Hama—is a fairly large bowl with domical lid owned by the Metropolitan. ⁵¹ The technique of decorating with applied glass thread was invented by the ancient Egyptians and was revived in the Islamic period. It continued to be practiced up to the turn of the fourteenth century.

Opaque white thread was also applied to transparent colorless glass as well as to green, blue, and brown glass. Purple glass embedded with white thread was the most popular combination. A sprinkler with doughnut-shaped body and tiny handles and feet from the Corning Museum is perhaps one of the finest examples of this type (no. 57).

The same delicacy of execution may be seen on transparent colorless glass vessels (nos. 58–60). Many of the smaller vessels are bottle shaped, with or without tall, slender necks, and are often adorned with applied decoration and tooling. A few pieces, exemplified by the mold-blown flask (no. 61), were made for the tourist trade. This flask, decorated with a cross, must have been produced for Christian pilgrims visiting the Holy Land. Stamped designs were also used, particularly

on glass weights, which were frequently made from a green matrix and shaped as discs.

Small vessels were also made in transparent blue, green, brown, and purple glass. Deep blue glass, at times enhanced with enameled and gilded decoration, was most attractive (nos. 62–63). One blue vessel, a tiny perfume sprinkler, has a herringbone pattern painted in light blue enamel with gilt arabesques in the interstices. ⁶² The decoration of the piece was inspired by examples with opaque white thread.

Among the most popular vessels are beakers with tooled decorations or inlaid with threads of contrasting colors (nos. 64–65). An interesting beaker, made of greenish glass and trailed with blue thread, has around the rim tiny rings attached to loops, which were used to draw the attention of the wine steward when the drinker required a refill (no. 64). Similar rings are found on stemmed cups, some of which have curious traylike projections at the center of the stems. Several beakers with applied thread are also ribbed and twisted at the top, creating a pleasing swirl of transparent and opaque glass (no. 65).

Glassmakers also contributed to architectural decoration, making stained-glass windows and gilded or colored tesserae for mosaic panels in the mihrabs of early Mamluk buildings.

Vestiges of the art of the Mamluk glassmaker can still be seen in Egypt and Syria. Modern pieces are generally made of transparent purple, green, blue, and brown glass and are shaped into bottles, ewers, and beakers.

Notes

- 1 Cairo, Museum of Islamic Art, 4261 (Wiet 1929, pl. 1; Cairo 1969, no. 166; London 1976, no. 135).
- 2. Paris, Louvre, 6131 (Paris 1977, no. 421).
- 3. London, British Museum 69 1 20 3 (Harden 1968, no. 152)
- 4 Paris, Louvre, 7244 (Paris 1977, no. 265).
- 5 Cairo, Museum of Islamic Art, 18038 (Mayer 1933, pp. 62–63; Cairo 1969, no. 167).
- 6. Paris, Louvre, 7448 (Paris 1977, no. 264).
- 7. Berlin, Museum für Islamische Kunst.
ı2573 (Berlin 1971, fig. 68 and pl. 10).
- 8, Washington, D.C., Freer Gallery of Art. 48.14 (Atıl 1975, no. 71).
- 9. London, Victoria and Albert Museum, 330-1900.
- 10. The most beautifully decorated bottles are in London, Victoria and Albert Museum, 328-1900; New York, Metropolitan Museum of Art, 41,150, formerly in the imperial Hapsburg Collection (Dimand 1944, fig. 159; Metropolitan 1975); Cairo, Museum of Islamic Art, 24249 (London 1976, no. 141); London, British Museum, s 334 (Harden 1968, no. 155); and Lisbon, Gulbenkian Collection (Lisbon 1963, no. 2), Sayf al-Din Jurji's bottle is in London, Victoria and Albert Museum, 223-1879 (Schmoranz 1899, pl. xxv; Mayer 1933, pp. 134-35).
- 11 Bottles with this shape include examples in the following collections: New York, Metropolitan Museum of Art. 3633 (Dimand 1944, fig. 160); Cairo, Museum of Islamic Art. 4262 (Wiet 1930, no. 92); London, Victoria and Albert Museum, 328-1900; Cleveland, Cleveland Museum of Art. 44,488 (Hollis 1945)
- Washington, D.C., Freer Gallery of Art. 34.20 (Atıl 1975, no. 74).
- Paris, Louvre, 3365 (Mayer 1933, pp. 235–39; Paris 1977, no. 344). Another example, formerly in Paris, Vapereau Collection, is published in Schmoranz 1899. pl. XXIX.
- Corning, New York, Corning Museum of Glass, 55,1.36 (Schmoranz 1899, pl. v; Lamm 1929-30, pl. 178;8; Vavra 1954, pl. 35).
- Cairo, Museum of Islamic Art, 24250, formerly Gezira Museum, 172 (Cairo 1969, no. 174, pl. 30).
 There is another example in New York, Metropolitan Museum of Art, 91.1.1531.
- 16 Xew York, Metropolitan Museum of Art, 91.1.1538 (Dimand 1944, fig. 155; Nickel 1972, fig. 3).
- New York, Metropolitan Museum of Art. 23.189;
 London, British Museum, 1924 1-25 1 (Harden 1968, no. 154);
 Toledo, Toledo Museum of Art. 54, 27 (Toledo 1969, p. 40).
 See also Lamm 1929, 30, pl. 189-1, 3
- Washington, D.C., Freer Gallery of Art, 58.16 (Attl 1975, no. 72); Toledo, Toledo Museum of Art, 70.56 (JGS 1971, no. 34).
- 19 Detached lids also exist, for instance, in London, British Museum, oa 529.
- 20 The Hague, Gemeentemuseum, og 13-1932 (London 1976, no. 137); New York, Metropolitan Museum of Apr. 91, 1, 1522
- 21 Cairo, Museum of Islamic Art, 24252, formerly Gezira Museum, 150 (Cairo 1969, no. 168).
- 22 Toledo, Toledo Museum of Art. 44.33 (Sotheby 1944, no. 147). A similar example dedicated to an anonymous sultan is in Paris. Louvre, 7880-65 (Paris 1977, no. 345).

- 23. Washington, D.C., Freer Gallery of Art, 33.13 (Attl. 1975, no. 73)
- 24. One of these glass stands is in Cairo. Museum of Islamic Art. 24251; another is published in Schmoranz 1899, pl. XXXII.
- 25. Lisbon 1963, no. 31.
- New York, Metropolitan Museum of Art, 91.1.1533 (Aanavi 1968, p. 201).
- 27. Formerly in the Rothschild Collection, now in a private collection (Lamm 1929-30, pl. 126:17: Schmoranz 1899, fig. 34).
- Toledo, Toledo Museum of Art. 27.217 (Toledo 1969, p. 40).
- The jug. formerly in the Rothschild Collection, is published in Schmoranz 1899, pl. XXX. The bottle is in Washington, D.C., Freer Gallery of Art. 29.8 (Attl 1975, no. 77).
- 30. Schmoranz 1899, pls. 1v-1va and XIII.
- Washington, D.C., Freer Gallery of Art, 34.19 (Atıl 1975, no. 75).
- 32. The lamps in Cairo are published in Wiet 1929.
- 33. Wiet 1929, pl. iv.
- 34. Wiet 1929, app. nos. 10-11. These are in Paris. Musée des Arts Décoratifs: and New York. Metropolitan Museum of Art. 17.190.988 (Dimand 1944. fig. 157).
- 35. Wiet 1929, app. nos. 7, 21, and 33–40 and pl. vi. Among the celebrated examples are those in Cairo. Museum of Islamic Art, 313 (London 1976, no. 139); Berlin, Museum für Islamische Kunst. 1 2572 (Berlin 1971, no. 13); and London, Victoria and Albert Museum, 329-1900.
- 36. For Sultan Hasan's lamps see Wiet 1929, app. nos.
 70. 118 quarter and pls. XXII-LVII. See also Lamm 1929-30, vol. 1, pp. 453-66, and vol. 2, pls. 193:10, 194:1, 202:1; Harden 1968, no. 159; Atil 1975, no. 76; Paris 1977, no. 232. For an example of the "egg see Wiet 1930, no. 96.
- 37. Wiet 1929, pls. LVHI-LXI.
- Wiet 1929, app. nos. 128-64, pls. LXIII-LXXXVIII. See also Wiet 1930, no. 99; Dimand 1944, p. 248; Paris 1977, no. 231.
- Inal's lamp, formerly in the Basilevski Collection, is now in Leningrad, Hermitage (Schmoranz 1899, p. 71). All other pieces are published in Wiet 1929, app. nos. 165-66, 168, and 170 and pls. LXXXIX-XC.
- New York, Metropolitan Museum of Art. 17,190,985
 (Mayer 1933, pp. 83-84; Dimand 1944, fig. 156;
 Nickel 1972, fig. 5).
- Mayer 1933, pp. 59–62. One of them is in Konya and the other is in Cairo. Museum of Islamic Art. 312 (Wiet 1930, no. 93; Cairo 1969, no. 178).
- New York, Metropolitan Museum of Art, 91.1.1534 (Mayer 1933, pp. 50-51, pl. XLI:3; Dimand 1944, p. 241).
- 43. Mayer 1933, pp. 17-18; Lisbon 1963, no. 5.
- The vase is in Paris. Louvre, 3365 (Paris 1977, no. 344). The lamps are in London, British Museum, 69 6-24 1 and 69 6-24 2 (Harden 1968, no. 158). See also Mayer 1933, pp. 235–39.
- 45. London, Victoria and Albert Museum, 580-1875 (Mayer 1933, pp. 189-90).
- 46. London, British Museum 96 3-21 1; and Paris, Louvre, 3110 bis (Paris 1977, no. 233).
- 47. New York, Metropolitan Museum of Art, 17,190,991 (Mayer 1933, pp. 186-87; Dimand 1944, p. 241; Nickel 1972, fig. 6). For this glassmaker see also Schroeder 1938.

- Cairo, Museum of Islamic Art, 3154 (Wiet 1929, pl. viii; Mayer 1933, p. 241; Cairo 1969, no. 180).
- Altunbugha's lamp, constructed of four fragments, is in Cairo, Museum of Islamic Art. 4065, 5880–82 (Wiet 1929, pl. 1x; Mayer 1933, pp. 63–64). One of Tugaytimur's lamps is in Cairo, Museum of Islamic Art (Wiet 1929, pl. XIII; Wiet 1930, no. 94; Mayer 1933, pp. 232-34).
- Wiet 1929, app. nos. 56–65 bis, pls. xx-xx1. See also Wiet 1930, no. 95; Dimand 1944, pp. 247–48; Harden 1968, no. 157; Toledo 1969, p. 41; London 1976, no. 138; Vienna 1977, no. 118.
- Wiet 1929, app. nos. 66-69, pl. xvi; Mayer 1933, pp. 208-10, pl. xxxi; 2.
- Cairo, Museum of Islamic Art, 281 (Wiet 1929, app. no. 8, pl. vii).
- London, British Museum, 75 7-17 1 (Harden 1968, no. 156).
- 54. For the study of these lamps see Wiet 1933. One of them is now in Toledo, Toledo Museum of Art, 40.118 (Toledo 1969, p. 34).
- 55. For the glass finds at Hama see Riis 1953; chapter two in Riis and Poulsen 1957. Fustat finds are published in Pinder-Wilson and Scanlon 1973; this report, however, does not include Mamluk material. For Quseir finds see Whitcomb and Johnson 1979, pp. 144–82.
- 56. El-Emary 1966, figs. 11-12 and pl. XXXI.
- 57. For instance, the large bowls in Toledo, Toledo Museum of Art, 44.33 (Sotheby 1944, no. 147). and Paris, Louvre, 7880-65 (Paris 1977, no. 345).
- 58. For Gallé's copies of Islamic objects see Bird 1972.
- 59. Most of Brocard's glasses are in Limoges. Dubuché Museum; Paris. Musée des Arts Décoratifs; and Vienna. Österreichisches Museum für angewandte Kunst. Examples of his work are also in American collections, including Corning. New York, Corning Museum of Glass; Toledo, Toledo Museum of Art; Baltimore, Walters Art Gallery; and New York, Metropolitan Museum of Art. See Munich 1972, nos 193–96, 199–204; Philadelphia 1978, no. 1v:27.
- 60. For examples by Lobmeyer see Munich 1972, nos. 207-14. One of Deck's pieces is illustrated in Munich 1972, no. 197.
- 61. New York, Metropolitan Museum of Art, 26.77 (Metropolitan 1975). For other pieces discovered at Hama see Riis and Poulsen 1957, pp. 61–69.
- 62. New York, Metropolitan Museum of Art, 1972.118.42.



44 Beaker

Glass: gilded, enameled in green, blue, yellow, red, white

Circa 1260

Height: $18.5 \text{ cm.} (7\frac{5}{16} \text{ in.})$

Diameter of rim: 12.1 cm. $(4\frac{3}{4}$ in.)



Baltimore, The Walters Art Gallery, 47.17 Purchased 1947 Ex-Dattari Collection

Inscriptions
Band below rim:

عز لمولانا السلطان المالك العالم ...

Glory to our master, the sultan, the royal, the learned. . . .

The shapes, techniques, and decorative repertoire established in the first half of the thirteenth century by Ayyubid glassmakers continued to be employed during the Mamluk period. Early Mamluk glass is often decorated with figural compositions, a feature also observed on contemporary metalwork and ceramics.

The pair of beakers in the Walters Art Gallery (see also no. 45) have unusual compositions in which figures resembling saints alternate with domed structures enclosed by high walls. The scenes appear to depict monasteries inhabited by monand visitors. Below the flaring rim is a wide blue band containing an inscription outlined in red and filled with gold. A second band, painted in red from the inside, appears above the foot; this band also had inscriptions written in gold, but they have virtually disappeared. Traces of floral scrolls rendered in gold can be detected behind the inscriptions. Although the beakers have been broken and repaired, they are extremely rare examples of Mamluk glass featuring architectural settings.

This beaker, slightly larger than its companion, is decorated with two haloed figures wearing long robes who stand between trees with buds, leaves, and scrolling branches. One of them is attired in a light blue cloak over a gold robe, the other wears a white hooded cape. Both face left in three-quarter view.

The men are placed between two types of brick or stone structures surmounted ribbed domes. One building has two stories rising above a hexagonal arcade. A pai of figures, the first wearing a yellow hooded outfit and the second bareheaded and attired in red, peek out of the arched windows of the upper floor. Hanging in the arcade below are three lamps, the central one suspended over a chest or box. The other building, enclosed by an octagonal wall, has only one story above the enclosure. A large bird is perched on the edge of the roof. A lamp hangs from the arched opening of the top floor, while a face looks in from one of the windows of the enclosure, which has a central entrance portal flanked by two windows.

Although the precise meaning of the scenes is not clear, they appear to represent personages and structures of a Christian community. The use of Christian themes and Arabic inscriptions on objects made for Muslim rulers was not uncommon in the Ayubid period. The same combination of Christian and Islamic themes appears of a number of mid-thirteenth-century metal pieces, the most outstanding being a large basin and a unique canteen, both owned by the Freer Gallery of Art in Washington, D.C.! This mixed imagery appears to have continued into the early Mamluk period, particularly in Syria.

The painting style of this beaker is commonly associated with Aleppo, which we renowned for its production of glass. Like other large Syrian cities, it had many Christian churches and monasteries and a substantial number of native Christians The beaker may have been commissioned by a Christian patron who wanted it decorated with scenes reflecting his faith, as well as with standard Arabic inscriptions. Arabic was the native tongue of both the Christian and Muslim residents of Syria, and the phrases used on the beaker were a part of the general culture and understood by members of diverse religious groups.

Published
Drouot 1912, no. 608 and pl. LX.
Lamm 1929–30, vol. 1, pp. 330–31, no. 8; vol. 2, pl. 127;8.

Notes 1, Atıl 1973, nos. 27–28. 45

Beaker

Glass: gilded, enameled in green, blue, yellow, red, white Circa 1260

Height: $17.0 \text{ cm.} (6\frac{11}{16} \text{ in.})$

Diameter of rim: 10.5 cm. $(4\frac{1}{8}$ in.)

Baltimore. The Walters Art Gallery, 47.18 Purchased 1947

Ex-Dattari Collection

The companion piece to the beaker previously discussed (no. 44) has an identical composition with haloed figures flanked by floral units placed between brick or stone domed structures. The two inscription bands framing the composition are also similar: the same phrases appear on the upper blue band, those on the lower red band have disappeared.

One of the figures is standing and attired in a long gold cape, its collar and front trimmed in red (fur?). The other rides a white donkey and wears a blue shawl. Both men face left, following the direction of the script.

The two-story brick or stone buildings have ribbed domes, windows, and entrance portals. One is a fairly simple structure with a window above the entrance. On the second-floor terrace of the other building stands a small figure wearing a belted white tunic and red boots, who gestures toward the personage attired in a gold cape

Although the scene cannot be identified with certainty, it is possible that the artist was depicting the Entry into Jerusalem, with Jesus riding on a donkey and greeted by children who have climbed trees and rooftops, represented here by the small figure who stands on the terrace.

This beaker displays the same range of polychrome enamels found on the previous example and reveals a similar handling, which suggests that both were made by the same artist or in the same studio.

Among the existing Mamluk glass adorned with architectural scenes are a number of fragments, some of which were excavated at Hama, and a rare perfume sprinkler, now in the Louvre.2 The Louvre example represents an eagle blazon on the two flattened sides and two-story buildings on the shoulders. One side shows a figure peeking out of the arched window of the top floor, the other side depicts a hanging lamp, similar to the themes employed on the Walters beakers.

Scenes with figural compositions and architectural settings appear to have disappeared by the end of the thirteenth century. The next generation of Mamluk glassmakers follows the epigraphic style that became fashionable after the first quarter of the fourteenth century.

This type of early glass is spontaneously drawn and employs a wide range of colored enamels. The style of figures and settings closely resembles that found on minai or overglaze-painted pottery, which had ceased to be produced after the middle of the thirteenth century Techniques used by the potters and glassmakers were not too different. and this group of Mamluk glass is among the last vestiges of the great figural style that flourished under the Seljuks and Ayyubids.

Drouot 1912, no. 609 and pl. LX.

Lamm 1929-30, vol. 1, p. 331, no. 9; vol. 2, pl. 127:9.

1. Lamm 1929-30, pls. 122 and 126:16. For fragments from Hama see Riis and Poulsen 1959, figs. 286-8

2. Paris, Louvre, 7244 (Paris 1977, no. 265).

Inscriptions Band below rim:

عز لمولانا ... العدل Glory to our master . . . the just. . .



46 Perfume bottle Glass: gilded, enameled in blue, yellow, red, white, reddish brown Circa 1270

Height: 6.1 cm. (23 in.) Max. diameter: 4.5 cm. (13 in.)

Corning, New York, The Corning Museum of Glass, 69.1.2 Purchased 1969 Ex-Ispenian and ex-Paravincini collections

Among the popular shapes produced by Mamluk glassmakers was a perfume sprinkler with cylindrical neck attached to a flattened globular body. This attractive and functional vessel was rendered in varying sizes and decorative techniques and was at times enhanced by a tall slender neck and delicately trailed handles (see nos. 47, 57, and 60- $\stackrel{\circ}{61}$).

This perfume sprinkler, made of honey-colored bubbly glass, is among the smallest examples known. A gilt band outlines the lip, and gilt and red knots adorn the shoulders. Each flat side bears a shield divided into two fields and encircled by a gold border; the upper field represents a lion facing left, its right paw lifted and its tail curved over its back; the lower field has eight or nine bends or diagonal lines. Each side has a different combination of colors one shield depicts a white lion on a red ground with each bend alternately painted blue or yellow; the other shield represents a reddish brown lion on a white ground above red and yellow diagonal lines.

The identification of the blazon and its holder is difficult to determine. Composite Mamluk blazons are common, and many amirs incorporated their masters' heraldic emblems with their own symbols (see nos. 27 and 96). The lion was the blazon of Baybars I (1260-77) and is found on all his coins and buildings (see no. 108). It was also used by his son, Baraka Khan (1277-79). A blazon with bends in the lower field has been identified with the

Hama branch of the Ayyubids who served the Mamluks. It appears in a fragmentary glass bottle excavated at Hama2 and on the pen box of Abu'l-Fida, a descendant of the Ayyubids who became governor of Hama (see no. 24). The owner of the Corning flask was most likely an official from the same city and served under Baybars 1 and Baraka Khan; he could have been al-Mansur al-Muhammad, who governed Hama between 1244 and 1284.3

A blazon with a lion placed over a napkin appears on a vessel made for Altunbugha, an amir in the service of Baybars 1.4 The combination of imperial blazon (the lion) and the symbol of an office (napkin designating the jamdar or master-of-the-robes) or of a family (the bends in the lower field) reveals an interesting development in the evolution of Mamluk heraldry.



P[aul] 1910, p. 51. Haum 1939, 30, vol. 1, pp. 325–26, no. 9; vol. 2, pl. 126;9. Mayer 1933, p. 9, note 1 and pl. 1, fig. 7. Binghamton 1975, no. G19.

Meinecke 1972, p. 234.

Riis and Poulsen 1957, figs. 305 and 1085a b.

3. Meinecke 1972, p. 224, note 87. 4. Cairo, Museum of Islamic Art, 18038 (Mayer 1933, pp. 62-63; Cairo 1969, no. 167).



Perfume sprinkler

Glass: gilded, enameled in green, blue, yellow, red, white

Late 13th century

Height: 19.7 cm. (73 in.)

Max. diameter: 16.3 cm. $(6\frac{3}{8}$ in.)

Toledo. The Toledo Museum of Art. 66.115 Gift of Edward D. Libbey, 1966

This perfume sprinkler, thought to have been found in Syria, is a characteristic example with its delicate form and free style of drawing. Shaped as an ovoid with a slender neck that widens above the body and tapers toward the lip, it is decorated with a gilt and enameled band encircling the shoulders.

The band is divided by two medallions, each containing a roundel placed over a crescent enclosing an animal whose identification is difficult to determine due to the loss of gilt details. A pair of lotus blossoms flanking an oval cartouche adorns the zones between the medallions. The glass matrix is honey colored and bubbly; the base is slightly recessed and contains the pontil mark.

The crescent, at times identified as a horseshoe, is not an uncommon element in Mamluk art. It is thought to be both a symbol of royalty and a

Published

AQ 1968, pp. 205, 209, fig. 2. Toledo 1969, p. 39. Toledo 1969a, p. 92.

Fluted bowl Glass: gilded, enameled in green, blue, yellow, red, white Late 13th century

Height: 11.1 cm. (4% in.) Diameter of rim: 17.8 cm. (7 in.)

Toledo, The Toledo Museum of Art, 41.37 Gift of Edward D. Libbey, 1941 Ex-Arthur U. Pope Collection

The spontaneous drawing and delicate enameling of the previous examples is also seen on this small bowl with fluted bottom, rounded sides, and thickened rim. Below the rim is a floral scroll rendered in gold. Two gold bands encircle a wide panel containing a floral arabesque interrupted by twelve medallions, each enclosed by a gold frame.

The floral arabesque is composed of gold branches bearing blossoms and leaves painted in combinations of red and white, yellow and green, and blue and white. The medallions contain the twelve signs of the zodiac, rendered in gold on a deep blue ground: Aries (ram), Taurus (bull). Gemini (two figures). Cancer (figure holding a crescent), Leo (lion with the sun), Virgo (female

holding vegetation), Libra (duck bearing a balance). Scorpio (two scorpions). Sagittarius (centaur-archer), Capricorn (goat), Aquarius (man carrying bucket), and Pisces (a pair of fish). The medallions with Cancer and Leo include their corresponding planets, the moon and the sun. In the medallion for Cancer, the artist has omitted its symbol, the crab, but has included the moon, represented by a figure holding a crescent, to fill the unit. The inclusion of a duck in addition to the balance for Libra constitutes further artistic liberty

The inside of the bottom of the bowl is enameled and gilded and contains an outer band of inscriptions in gold. Since this area is by far the most abraded and the gilding has disappeared, the inscriptions cannot be read. The center has a row of fifteen fish swimming counterclockwise around a central medallion with a white six-pointed star enclosed by a gold floral scroll.

The shape of the bowl and its decorative layout indicate that its model was metalwork. The depiction in the bottom of bowls and basins of fish swimming in rows is one of the characteristic features of Mamluk metalwork (see nos. 21 and 26-29), as is the representation of astrological symbols (see nos. 13-14 and 16).

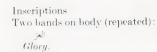


Fluted bottle Glass: gilded, enameled in red, black Late 13th early 14th century

Height: 28.0 cm. (11 in.) Max. diameter: 17.2 cm. (63 in.)

Cairo, Museum of Islamic Art, 23968

Found at Qus. 1966





This beautifully proportioned bottle has a heavy foot, pear-shaped fluted body, and slender neck that widens toward the lip. It is adorned with bands of varying widths, with the design sketched in red and painted in black and gold.

A series of red floral scrolls appears on the neck. The prominent band in the center is embellished with black zigzags suggesting a braided pattern. A zone of densely filled gold cloudlike motifs extends from the base of the neck to the upper

The body is decorated with a wide band containing six medallions joined by horizontal strips and enclosed by two inscription bands. The inscriptions, written in black on a gold ground, are framed in gold. The same combination of letters is repeated thirty-four times in the upper band and thirty-nine times in the lower, with extra alifs added for decoration.

The medallions are framed by three gold bands; the widest one in the middle has a black scroll. In the center are two alternating themes: a lotus blossom and a hawk attacking a duck, both rendered in gold. The horizontal strips joining the medallions have a gold floral scroll, while two triangular cartouches with similar motifs appear in the interstices. The fluting extends from the foot to just above the upper inscription band.

The sparse decoration of the bottle and limited range of enamels are more than compensated for by the lavish use of gold and delicate fluting. Although medallions with lotus blossoms and hawks attacking birds were commonly used on thirteenthand fourteenth-century metalwork and glass, fluting seems to have been used only in the early Mamluk period (see nos. 48, 54-55, and 64-65).

A number of Mamluk enameled and gilded glass bottles have identical shapes. Some are fluted. others are plain. Among the fluted examples is a bottle with riders now in Berlin. Figural compositions also appear on an exceptionally large piece with a band of riders in the Metropolitan: an equally large example in Cairo is decorated with dancers.2

The honey-colored glass with irregular blemishes is thickly blown. The footring was formed by turning the edges under; in the middle of the base is the pontil mark.

Published El-Emary 1966, p. 138 and pl. xxxii. Cairo 1969, no. 17

1. Berlin, Museum für Islamiche Kunst. 1 2573 (Berlin 1971.

no. 515, pl. 10 and fig. 68). New York, Metropolitan Museum of Art, 41,150 (Metropolitan 1975); Cairo, Museum of Islamic Art, 24249 (London 1976, no. 141). Another example, with floral decoration, is in London, British Museum, s 334 (Harden 1968, no. 155).

Large bottle Glass: gilded, enameled in green, blue, yellow, red. white Circa 1300-1320

Made for Dawud, Rasulid sultan of Yemen

Height: 37.3 cm. (145 in.) Max. diameter: $20.5 \text{ cm.} (8\frac{1}{16} \text{ in.})$

Detroit, The Detroit Institute of Arts. 30.416 Purchased 1930 Ex-Spitzer and ex-Strauss collections

Inscriptions Bands on neck and body (repeated):

The learned.

Four panels on body:

One of the things made for the sultan al-Malik al-Muayyid Hazbar al-Dunya wa'l-Din Dawud ibn Yusuf ibn Umar, may his victory and sultanate

This large bottle, made for Sultan Dawud (1296-1322), Rasulid ruler of Yemen, is decorated with a series of horizontal bands encircling the neck and body. The neck, adorned with a ring. contains a floral scroll and two rows of fish swimming to the left, below which is a second floral scroll. At the base of the neck is an inscription band, framed above and below by a frieze of lionlike quadrupeds. The inscription, written in blue, is placed on a floral scroll enameled in green, red, yellow, and white.

The upper portion of the body contains four medallions joined by a horizontal inscription band; arabesque cartouches are placed above and below this band, similar to the decorative layout of the previous bottle (no. 49). Flanking the lower cartouche is a pair of quadrupeds; two of them are hares while the remaining resemble lions. The four medallions are encircled by triple bands. the middle one depicting a series of lions. In the center of the medallions is a five-petaled rosette, the blazon of the Rasulid family

Below this zone is another inscription band encircling the widest portion of the body Identical to the one at the base of the neck, this band is broken into four parts by roundels enclosing lotus blossoms with red and white. blue and white, and green and yellow petals. The underside of the body and the high flaring foot are undecorated. The gilding has virtually disappeared and most of the design, including the inscription on the upper portion of the body. retains only its red outlines.

The dedicatory inscription includes the honorific Hazbar al-Dunya wa'l-Din. Lion of the World and Religion, which may account for the predominance of lions appearing in the neck bands, framing the blazons, and flanking the lower cartouches on the body.

The shape of the Detroit bottle can be traced to the Ayyubid period with an almost identical layout employed on an example made for Salah al-Din Yusuf (1237-59), the last Ayyubid ruler of Syria. Among other fourteenth-century examples are those in New York, Cleveland, Cairo, and London:2 a similar vessel in Paris bears a dedication to Toquztimur, the imperial saqi who became governor of Aleppo and Damascus in the 1340s (see also nos. 27 and 96).3 Another bottle in the Freer, was made for Sultan Ali (1322-63). Dawud's son and successor.4

The rim of the Detroit bottle has been ground down, possibly because the lip was chipped at one time. The portion of the neck above the ring was originally twice as high and similar to those on contemporary bottles.

The Rasulid sultans of Yemen commissioned from Mamluk artists many metal and glass objects, including a brass tray ordered for Sultan Dawud (no. 22) and a tray made for Yusuf. his

predecessor (no. 14).

Madl. 1898. p. 275. Schmoranz 1899. p. 16 and figs. 22–23. Berchem 1904. pp. 50–55. Migeon 1907. vol. 2. pp. 357–58. Migeon 1927. vol. 2. pp. 137–38. Wiet 1929, app. no. 19. Lamm 1929–30, vol. 1, pp. 401–2, no. 1; vol. 2, pl. 179:1. Aga-Oglu 1930, pp. 26–27 and cover





- 1. Cairo, Museum of Islamic Art. 4261 (Wiet 1929. pl. 1: Cairo 1969. no. 166: London 1976, no. 135).
- New York, Metropolitan Museum of Art. 36.33 (Dimand 1944, fig. 166); Cleveland. Cleveland Museum of Art, 44,488 (Hollis 1945): Cairo. Museum of Islamic Art. 4262 (Wiet 1929, pl. п): London, Victoria and Albert Museum, 328-1900, 3. Paris, Louvre, 3365 (Paris 1971, no. 290)
- Paris 1977, no. 344).

 4. Washington, D.C., Freer Gallery of Art.
 34.20 (Atıl 1975, no. 74). For other similar bottles see Aga-Oglu 1930, p. 27; and Schmoranz 1899, pl. XXIX.

51 Vase

Glass; gilded, enameled in blue, red, white Mid 14th century

Height: 17.5 cm. $(6\frac{7}{8}$ in.) Diameter of rim: 32.0 cm. $(12\frac{9}{16}$ in.)

Cleveland, The Cleveland Museum of Art, 44,235 Purchased, The J. H. Wade Fund, 1944

The unusual shape of this vase recalls both a basin with exaggerated everted rim and a lamp with flattened neck (see nos. 28 and 52–53). During the Mamluk period, glassmakers experimented with many different shapes and produced bowls (no. 48), candlesticks, and small trays (or platters) based on metal prototypes. The Cleveland vase belongs to this group of experimental pieces and its shape is unique among Mamluk glass.

The decoration consists of a wide band in which five medallions with geometric designs alternate with floral arabesques. The same band appears on the rim and on the body and is framed by bands composed of alternating large and small trefoils. The body of the vase is painted on the outside, while the wide everted rim is enameled from the inside (or top side). The entire surface of the vessel is covered with enameled and gilt motifs, creating a dense overall effect.

A trefoil band painted in blue on a gold ground encircles the rim. Five medallions on the rim contain a geometric design radiating from a white twelve-pointed star enclosing a gold six-petaled rosette. Polygons formed by radiating and intersecting bands are painted in red and blue and enhanced by lotus (†) blossoms. The triangular units at the edge of the medallions are rendered in white and adorned with gold dots. The arabesques between the medallions are executed in gold on a blue or white field. A continuous thin gold band encircles the medallions and links them with the other units

A second trefoil band defines the neck, a third appears at the base. Using identical motifs and colors, the decoration of the body repeats the design on the rim.

Most of the gilding on this piece is intact, its original brilliance remarkably well preserved. The pontil mark can be seen in the recessed base. The rounded lip was formed by tucking the edge under the rim; a blemish at the edge suggests that the lip was not perfectly handled and a chunk of glass has pulled out. The matrix is honey colored and bubbly, similar to other examples of secular Mamluk glass.

The unusual shape and decorative repertoire of the Cleveland vase presents problems in attribution. The only contemporary parallel for the shape is a brass basin, itself a unique object (no. 28); the same shape appears on several small glass vessels produced in the eighth and ninth centuries, and these, too, are considered unusual.2 Medallions radiating from twelve-pointed stars are seen in architectural decoration and manuscript illumination dating from the second half of the fourteenth century and on fifteenth-century metalwork (see nos. 35 and 40). Trefoil bands on the rim, neck, and base of this vase are also seen on a fourteenth-century silk fragment (no. 115). The artist of the Cleveland vase appears to have revived an earlier glass shape and was possibly influenced by contemporary metalwork. He has applied decorative themes employed on woodwork, illumination, and textiles to create this piece, which seems to be more an objet d'art than a functional vessel.

Published Parke-Bernet 1944, no. 120, Hollis 1945, p. 180, Cleveland 1958, no. 716, Cleveland 1969, p. 210, London 1976, no. 143, Cleveland 1978, p. 266,

Notes

 The tray or platter, in New York, Metropolitan Museum of Art, 91.1.1533, also has twelve-pointed stars (Dimand 1944, pl. 238; Aanavi 1968, pp. 200–201). The candlestick is published in Schmoranz 1899, fig. 34; and Lamm 1929–30, pls. 115:9 and 126:17.

2 For the example discovered at Fustat, with references to related pieces, see Pinder-Wilson and Scanlon 1973, p. 18, no. 2 and fig. 3.





52 Lamp

Glass; gilded, enameled in green, blue, yellow, red, white, purple, with applied handles Circa 1360 Made for Sultan Hasan

Height: 35.5 cm. (1315 in.)

Diameter of rim: 26.2 cm. $(10^{5}_{16} \text{ in.})$

Cairo, Museum of Islamic Art, 288 From Madrasa of Sultan Hasan (built 1356–62), 1882–99

Inscriptions

Band on neck broken into three panels: Ayat al-Nur (Verse of Light: xxiv:35) Three medallions on neck and body:

عز لمولانا السلطان الملك

Glory to our master, the sultan al-Malik

Sultan Hasan commissioned hundreds of lamps for his complex containing a madrasa and mausoleum built just below the Citadel in the most prominent square of Cairo. The foundation. constructed between 1356 and 1362, was embellished with the most exquisite lamps, many of which contain Koranic inscriptions and Sultan Hasan's epigraphic blazon (see no. 31).

This lamp has two unusual features: different types of floral units adorn the sections between the handles, and the range of enamels includes a rare purple in addition to the commonly used green, blue, yellow, red, and white.

The neck contains the famous Ayat al-Nur, traditionally found on lamps made for religious structures. This passage states that God is the light of the heavens and the earth. His brilliance is reflected by the mihrab, which is in turn symbolized by a glass lamp. Many representations of the mihrab show a lamp hanging in the center, visually recreating the imagery presented in the Koran (see no. 111).

The Koranic verse is rendered in blue against a gold ground filled with a floral scroll that has white spiraling branches laden with red, green, and white buds and leaves. The inscription is interrupted by three medallions with a double border of floral scrolls painted in gold: the outer scroll has a gold ground, the inner one is blue. In the center of the medallion is the epigraphic blazon of Sultan Hasan: a circular shield divided into three fields with an inscription in the middle on a gold ground. The band on the base of the neck is embellished with a floral scroll interrupted by three blue roundels enclosing a lotus blossom on a blue ground.

The body has six applied handles surrounded by oval cartouches decorated with gold scrolls on a blue ground identical to those encircling the epigraphic blazons. A spray of vegetation appears between the handles, its stem (or trunk) painted purple with white dots; the blossoms and leaves—rendered in combinations of red and white, blue and white, green and yellow—spring from the stem. Two alternating types of vegetation are depicted: one has two large lotus blossoms growing symmetrically at the top, the other has a single lotus, below which is a peony: a series of blossoms is placed on either side of the stems.

The tapering lower portion of the body has three epigraphic blazons enclosed by medallions repeating the design on the neck. Between the medallions is a scroll, rendered in blue with polychrome buds and leaves. It includes beautifully painted trefoil blossoms resembling the peculiar flora associated with the reign of Nasir al-Din Muhammad (see nos. 25–26).

As in all Mamluk glass, the gilded areas have been abraded, and the decoration of these portions is recognizable only through the aid of the red enamel that outlines the design. The matrix is bubbly and grayish, as in other Mamluk lamps.

Published

Horizana 1899, p. 53, no. xvi and pl. xvi.

Herz 1906, p. 321, no. 29.

Herz 1907, p. 298, no. 29.

Wiet 1929, no. 288 and pl. xxiii.

Lamm 1929-30, vol. 1, pp. 458-59, no. 127; vol. 2, pl. 193;8.

Cairo 1969, no. 181.

Notes

 Lamm lists more than fifty lamps attributed to the madrasa of Sultan Hasan (Lamm 1929–30, vol. 1, pp. 453–66; vol. 2, pls. 193;10, 194;1, and 202;1). See also Wiet 1929, pls. XXIII. LVIII.



53

Lamp

Glass: gilded, enameled in green, blue, yellow, red, white, with applied handles

Circa 1310- 20

Made for Hospice of Karim al-Din

Height: 27.5 cm. $(10^{13}_{16} \text{ in.})$ Diameter of rim: 18 cm. (7^{1}_{8} in.)

Boston, Museum of Fine Arts, 37,614 Gift of Mr. and Mrs. Edward Jackson Holmes, 1937 Ex-Ispenian Collection

Inscriptions

Panel on neck: Ayat al-Nur (Verse of Light;

Six panels on body

One of the things made for the blessed rabat [hospice] built by the humble servant of God, the sublime excellency, al-Karimi, [may his glory be] eternal.

The lamp, which has been broken and repaired, is made of grayish bubbly glass. The neck has two floral scrolls at the rim and base with blue dots applied to the cores of the flowers. These bands are divided into three by roundels bearing stylized lotus blossoms with blue and white, red and white, and green and yellow petals. The wide central panel contains a blue thuluth inscription on a polychrome scroll. This panel was originally decorated with gilt, remains of which are visible in certain areas.

The upper portion of the body has another floral scroll above a wide inscription panel written in gold on a blue ground. It is broken into six units by the handles, which are enclosed by oval cartouches. Below the inscription panel is an arabesque frieze with a series of elongated petals extending to the foot. The upper portion of the splayed foot repeats the design found on the lower body and terminates with the same floral scroll seen on the neck.

The lamp, smaller than the standard examples, was commissioned by Karim al-Din for the hospice he built in Cairo. He was born a Christian and entered the civil service as a secretary. When he was appointed a chief official by Baybars II in 1309, he embraced Islam and adopted the name Karim al-Din al-Kabir (Grace of God, the Great) and the patronymic Ibn Abd al-Karim (son of the slave or servant al-Karim), a common practice among Muslim converts. He was transferred into the service of Nasir al-Din Muhammad when the sultan regained his throne in 1310. Karim al-Din served as a judge, imperial steward (nazir al-khass), and vizier until he fell out of favor in 1323 and was dismissed from all his offices. He died the following year.

A second lamp made for the hospice of Karim al-Din bears the name of Sultan Nasir al-Din Muhammad. Since Karim al-Din was not a former mamluk and did not serve as an amir. he was not granted a blazon. He belonged to the class of civil officials called *arbab al-qalam*, men of the pen.

The shape of the Boston lamp, with angular body and high splayed foot, differs from the low bulbous form found on the previous example (no. 52). Both shapes, as observed in the group made for the madrasa of Sultan Hasan, were produced in the middle of the fourteenth century.

Published Wiet 1929, app. no. 22. Schroeder 1938, pp. 2–5.

Notes

 New York, Metropolitan Museum of Art, 17,190,987 (Wiet 1929, app. no. 21; Schroeder 1938, p. 5; Dimand 1944, p. 241).



54 Fluted beaker Purple glass with white trailing 13th century

Height: 15.9 cm. $(6\frac{1}{4} \text{ in.})$ Diameter of rim: 6.5 cm. $(2\frac{9}{16} \text{ in.})$

Toledo, The Toledo Museum of Art, 69.365 Gift of Edward D. Libbey, 1969

Although Mamluk glassmakers are celebrated for their enameled and gilded wares, they also produced trailed and marvered pieces in which opaque glass threads were embedded into the transparent glass and then rolled on a marver or plate. The threads were frequently combed to form various patterns. This ancient Near Eastern technique was revived by the Romans and continued to be practiced in the Islamic period until the turn of the fourteenth century. The precise dating of these trailed and marvered pieces has not been determined, and many examples are thought to have been made in Syria between the eighth and fourteenth centuries.

The shapes of the four pieces from the Toledo and Corning collections are common to both late Ayyubid and early Mamluk glass (nos. 54–57). The beaker, one of the most popular types of vessels, was executed in different techniques (see nos. 44–45 and 63–65). In this example the body is fluted, giving a rippling effect to the irregularly applied opaque white threads.

Fluting appears on a number of other glass pieces, including enameled and gilded works (see nos. 48-49, 55, and 64-65).

Published JGS 1971, fig. 33 (center).

Notes

 Lamm 1929–30, pls. 29–32. For examples discovered at Hama see Riis and Poulsen 1957, pp. 61–69.

55 Fluted bowl Purple glass with white trailing 13th century

Height: $6.5 \text{ cm.} (2\frac{9}{16} \text{ in.})$ Diameter of rim: $9.9 \text{ cm.} (3\frac{7}{8} \text{ in.})$

Toledo. The Toledo Museum of Art, 69.367 Gift of Edward D. Libbey, 1969

This small bowl with high foot was executed in the same manner as number 54: opaque white trails were applied in irregular spiral bands and appear rippled due to the fluting of the lower portion of the body. Both pieces omit the combing process that resulted in distinct patterns characteristic of other examples (nos. 56–57).

The combination of transparent purple glass and opaque white trails occurs on a great number of small vessels, including beautifully made sprinklers shaped as fish and birds. After comparing the exaggerated sizes of enameled and gilded glass made for the court (see nos. 50–53), one may assume that trailed glass was produced for the bourgeoisie and represents a luxury ware used in private dwellings.

Published JGS 1971, fig. 33 (left).

Notes

1. Most appear to be pre-Mamluk (Damascus 1976, fig. 157).



Perfume flask Blue glass with white trailing 13th century

Height: $14.7 \text{ cm. } (5\frac{3}{4} \text{ in.})$

Corning, New York, The Corning Museum of Glass, 50.1.32 Gift of Steuben Glass, Inc., 1950

In contrast to the previous works (nos. 54-55), this flask is made of dark blue transparent glass with opaque white trails combed to form a festoon pattern. The shape of the piece, with cylindrical neck, rounded shoulders, and tapering body. recalls a type of unguentarium used for ointments, perfumes, and cosmetics. The decorating technique is as old as the shape and is found in ancient Near Eastern glass.

The flask is among the last examples of this ancient tradition. The shape was eventually replaced by the more popular perfume sprinkler with tall slender neck and bulbous body (see nos. 47, 57, and 60), and the trailed decoration was abandoned in favor of enameling and gilding.

Published Binghamton 1975, no. 613.



Height: 8.6 cm. (33 in.) Max. diameter: $5.2 \text{ cm.} (2\frac{1}{16} \text{in.})$

Corning, New York, The Corning Museum of Glass, 71.1.1 Purchased 1971

This precious flask represents both the continuation of an ancient technique and its adaption to a new tradition. Trailing opaque white threads on transparent glass and combing them to form herringbone or leaf designs is among the oldest methods of decorating glass practiced in the Near East. The shape of the piece—with its slender neck, rounded body, and applied trails forming two delicate handles—is typical of Mamluk perfume sprinklers (see nos. 47 and 60). Its unusual features are the four rounded feet and central opening: doughnut-shaped vessels. however, are not unique.1

Mamluk glassmakers were extremely innovative and created many pieces using this technique. One of the rare extant examples, in the Metropolitan, is a fairly large, lidded bowl with a beautifully combed and feathered design.2

Unpublished

- 1. Doughnut-shaped vessels, circa 1100, are published in Lamm
- 1929 30. pls. 5:4 and 29:14. 2. New York. Metropolitan Museum of Art. 26.77 (Metropolitan





58

Lamp

Colorless glass with applied handles Second half 13th century

Height: 13.3 cm. $(5\frac{1}{4}$ in.) Diameter of rim: 9.5 cm. $(3\frac{3}{4}$ in.)

New York, Madina Collection, 63 Ex-Kelekian Collection

The restrained elegance of undecorated Mamluk glass is often overshadowed by the virtuosity displayed in enameled and gilded examples. Mamluk glassmakers excelled in the production of plain vessels and created delicate and harmoniously proportioned objects that rival the aesthetics of the more dazzling enameled and gilded pieces (nos. 58–61).

This small lamp, made of slightly greenish transparent glass, has a funnel-shaped neck with rounded body fused to a high flaring foot. A minuscule hollow rod, used to hold the wick, appears inside the body. The three handles applied to the walls suggest that the lamp could be hung.

This piece belongs to a group of undecorated small lamps used in private homes. They could be carried from room to room, placed on a table, or attached to hooks suspended from the ceiling.

A similar shape, seen in a slightly larger example in the Victoria and Albert Museum in London, has a touch of enameled and gilded decoration. Delicate floral scrolls encircle the rim and foot; tiny riders appear between the handles.²

Unpublished

Valen

- 1. Lamm 1929-30, pls. 7:2, 28:20, and 158:1, all dated second half of the thirteenth century.
- London, Victoria and Albert Museum, 330–1900 (21 cm. or 8) in, high).

59 Goblet Colorless glass Second half 13th century

Height: 10.2 cm. (4 in.)

Diameter of rim: 14.3 cm. (5\(\frac{5}{8}\) in.)

New York, Madina Collection, G2

Another undecorated piece is in the shape of a stemmed cup or goblet frequently executed in glass and ceramics (see nos. 62 and 77–78). This goblet has a high flaring foot attached to a receptacle with rounded base, curving sides, and straight rim. This particular form, representing a transition between a footed bowl and stemmed goblet, was most likely used as a drinking vessel.

The stemmed cup itself was the symbol of the saqi who used it as a blazon on all his possessions (see nos. 15–16, 28, 109, and 125), at times combined with the heraldic emblem of his master (nos. 27 and 96) or with other charges in a composite blazon (nos. 39 and 124).



60 Perfume sprinkler Colorless glass with applied handles Second half 13th century

Height: 11.8 cm. $(4\frac{5}{8} \text{ in.})$ Max. diameter: 5.4 cm. $(2\frac{1}{4} \text{ in.})$

New York, Madina Collection, 64

This perfume sprinkler is adorned with a pair of trailed handles and diagonal fluting that encircles the body. Its slender neck and bulbous body also appear in other, more elaborately decorated pieces (nos. 47 and 57). The delicate neck of the flask served the practical function of releasing at one time only a few drops of expensive perfume, which was most likely retained in a heavy oil base. Consequently, the word "sprinkler" appropriately identifies this piece, since the perfume it contained could only be dispensed in sprinkles when the vessel was shaken.

The perfume sprinkler represents a type of luxury item available to the average citizen. Although aromatic cosmetics were expensive, they were in great demand by both local consumers and foreign markets. Revenue from the trade of these luxury goods formed an important part of the Mamluk economy. Spices and herbs from the Orient landed in the ports of southern Arabia, then traveled up the Red Sea to Alexandria and Damietta before being dispatched at a substantial profit to the Mediterranean countries. The citizens of the Mamluk empire benefited from being at the center of this trade route and cherished the aromatic cosmetics available to them.

Unpublished

61
Perfume bottle
Colorless glass: molded
Late 13th-early 14th century

Height: $10.0 \text{ cm } (3\frac{15}{16} \text{ in.})$ Max. diameter: $8.0 \text{ cm. } (3\frac{1}{8} \text{ in.})$

New York, Madina Collection, 65

Perfume was used not only for personal grooming. it also served a ceremonial function and was employed by Muslims, Christians, and Jews during their secular and religious festivities. This flask with a cross represents a group of objects produced for Christian communities and may have been made as a souvenir for pilgrims to the Holy Land.

The piece has a short neck embellished with a rounded lip and molded ring. Its flattened body is decorated with two medallions encircled by bands: a double row of ten scallops with beads in the interstices starts from the v-shaped unit at the neck and frames the sides and the base. An equal-armed cross, with four smaller crosses between its arms, appears in the center of one of the medallions: the other medallion is unadorned.

The clear glass was mold-pressed in low relief. It most likely had a globular stopper that fitted into the lip. Mold-pressing, an ancient technique, which was revived during the Roman period and continued into the Islamic era, was employed on a variety of vessels, weights, and jewelry and even on tiles used to line pavements.² Among the flasks made for non-Muslim communities are a series of faceted cruets and bottles, some of which represent Christian crosses and Jewish menorahs. Many are attributed to Syria and are dated either late Roman or early Islamic. The technique of using molds survived into the Mamluk period. as this example demonstrates. The shape of the Madina bottle is characteristic of Mamluk perfume flasks, which were at times decorated with enameled and gilded designs (see no. 46).

Unpublished

Votes

- Identical crosses, identified as the arms of Jerusalem, appear on the celebrated basin made for Hugh IV of Lusignan, the king of Cyprus (1324–59), now in Paris, Louvre, Mao 101 (D. S. Rice 1956).
- A number of tiles used in pavements were excavated at Raqqa. They are dated to the ninth century and are now in Damascus. National Museum (Damascus 1976, fig. 79).



62 Goblet Blue glass: gilded, enameled Late 13th century

Height: 7.1 cm. $(2_{16}^{13} \text{ in.})$ Diameter of rim: 8.5 cm. (3_{16}^{5} in.)

Corning, New York, The Corning Museum of Glass, 79,1.53 Bequest of Jerome Strauss, 1979

This beautifully proportioned miniature goblet or stemmed cup has a molded lip and footring and a pronounced ring encircling the stem. Made of transparent deep blue glass, it is decorated with an enameled and gilded inscription band placed below the rim. This band has been abraded and only traces of the original decoration are now visible.

The stemmed cup, symbol of the saqi, served as a functional vessel and was executed in ceramics as well as in glass (see nos. 59 and 77–78). The Corning goblet is one of the smallest examples in glass.

The ring on the stem is a characteristic feature of the cup as used in the blazon of the saqi (see nos. 15–16, 27–28, 96, and 109). This piece may have been a bibelot representing the office of the cup-bearer.

Unpublished

63 Beaker Blue glass Late 13th–early 14th century

Height: $9.7 \text{ cm. } (3^{13}_{16} \text{ in.})$ Diameter of rim: $6.1 \text{ cm. } (2^{7}_{16} \text{ in.})$

Corning, New York, The Corning Museum of Glass, 79.1.108 Bequest of Jerome Strauss, 1979

Although the three beakers from the Corning and Toledo museums (nos. 63–65) are almost identical in shape and technique, each has a different glass matrix and tooled and applied decoration. This example, the smallest and the simplest in the series, is made of transparent blue glass. It has a molded lip and pronounced footring. The body appears slightly twisted and widens toward the rim.

Courtly scenes depicted on metalwork, glass, ceramics, and book illustrations often show figures holding such beakers. Drinking was one of the princely pleasures and represented the luxurious and leisurely life of the ruling classes. Scenes of courtly entertainment were traditional in Islamic art and many objects show revelers with cups and beakers accompanied by wine-stewards, dancers, and musicians. Beakers held by enthroned figures came to symbolize imperial power and authority (see nos. 20–21; II, fig. 5).

Unpublished





64 Ribbed beaker Colorless glass with blue ribbing, applied decoration Late 13th century

 $\begin{array}{l} \mbox{Height: } 10.5\ \mbox{cm. } (4\frac{1}{8}\ \mbox{in.}) \\ \mbox{Diameter of rim: } 6.2\ \mbox{cm. } (2\frac{7}{16}\ \mbox{in.}) \end{array}$

Corning, New York, The Corning Museum of Glass, 79.1.41 Gift of The Ruth Bryan Strauss Memorial Foundation, 1979

This beaker, with molded lip and footring, has a pair of incised lines encircling the rim. The body is fluted and decorated with vertical threads of applied opaque blue glass, which attractively contrast with the slightly greenish transparent matrix. A series of blue loops bearing blue rings is applied to the upper portion of the beaker. These decorative as well as functional rings enable the drinker to attract the attention of the saqi: when the drinker wanted a refill, he shook the beaker, and the loose rings hitting the body created a pleasing and high-pitched tinkle.

A number of Islamic drinking vessels, including stemmed cups and beakers, are decorated with rings attached to the body by loops. Many are dated between the eighth and twelfth centuries and are attributed to Syria. This feature appears to have survived at least into the early Mamluk period.

Unpublished

65
Ribbed beaker
Colorless glass with bluish green ribbing
Late 13th—early 14th century

Height: 12.7 cm. (5 in.)

Diameter of rim: 5.5 cm. $(2\frac{1}{8} \text{ in.})$

Toledo, The Toledo Museum of Art. 23.2127 Gift of Edward D. Libbey, 1923

This example is embellished with two molded rings: one encircles the thickened lip, the other forms the foot. The body is fluted and enhanced with applied threads that twist at the top and accentuate the slightly widening rim. The threads are rendered in opaque bluish green glass and alternate with the molded ribs and raised edges of the flutes. A pleasing contrast is created by the opaque ribbing and the greenish tone of the clear glass body.

The molded rings on the rim and foot and the applied ribbing are well fused into the matrix. The fluting of the body and the turning of the rim show a spontaneous handling, indicating that this beaker was made by a master craftsman who was able to produce a series of these vessels easily and rapidly.

Published Riefstahl 1961, p. 42. Toledo 1969, p. 39.







Peripheral view of no. 45

CERAMICS



Bahri Mamluk potters employed a varied repertoire of decorative themes and techniques. Some reveal the continuation of Ayyubid traditions, while others reflect the influence of contemporary Ilkhanid and Golden Horde pottery or imitate Yüan dynasty wares. Their techniques included underglaze-painting, luster-painting, and slippainting. They also molded and slip-painted their wares, covered them with colored glazes, or left them unglazed. The most characteristic Mamluk ware was a type of sgraffito or incised pottery adorned with bold inscriptions and blazons. The potters also used figural compositions, geometric patterns, and floral motifs to decorate their pieces.

Most of the themes and techniques established in the fourteenth century continued to be practiced in the Burji period. By the turn of the fifteenth century, however, figural compositions were abandoned, luster-painting disappeared, and incised wares with blazons fell out of favor. The impact of blue-and-white Chinese porcelain exported to the Near East was especially important in this period. The themes employed on the majority of underglaze-painted fifteenth-century Mamluk wares derived from Ming dynasty ceramics and were often used in combination with indigenous elements. This adaptation is particularly visible in the production of tiles, which became highly fashionable in the Burji period. Ceramics produced after the collapse of the Mamluk empire reveal the influence of another tradition, that of the imperial court style of the Ottomans with the potters of İznik providing the models.

Bahri Period (1250–1390)

The most common type of pottery executed in the Bahri period is underglaze-painted. It was produced in large quantities both in Egypt and Syria with hardly a distinction between the two regions. The materials excavated at Hama and Damascus in Syria reveal the same shapes, techniques, and decorations as those unearthed at Fustat and Alexandria in Egypt. Potters apparently moved freely throughout the empire and practiced wherever they could set up their workshops.

Both the Egyptian and Syrian underglaze-painted wares had a coarse off white body covered by a white engobe (a thin coating of fine clay). The design was painted in blue, turquoise, green, and black, the most popular combination being blue and black. The earlier examples included a brownish red pigment, which continued the tradition of Ayyubid underglaze-painted wares (see no. 66). The transparent glaze, often thickly applied and greenish in tone, tended to pool and dribble.

The majority of underglaze-painted wares are bowls, jars, albarelli, and jugs. Of these the most common is the bowl, either fairly deep with flaring sides and prominent foot (nos. 66–68) or shallow with curving sides and everted rim (nos. 69–73). Some examples have an exceptionally high foot, identical to the goblet or stemmed cup found in the blazon of the saqi or cup-bearer (nos. 77–78). Jars are second in popularity. They were executed in varying sizes and are characterized by an ovoid body, high shoulders, slightly tapering neck, and rounded

lip (nos. 80–83). The albarello, a variation of the jar, is distinguished by its straight or slightly concave sides, sloping shoulders, and high neck. Other shapes include single-handled pots with straight sides and wide everted rims (no. 79), squat jars with curving sides and high straight necks, footed vases with high flaring necks, and an assortment of beakers.

The most common design of the interior of a bowl comprises six, eight, or twelve radiating panels or a series of concentric rings, each filled with alternating floral and geometric motifs. Exterior walls are decorated with petals, double lines, or swirls. Several early Mamluk bowls contain a central medallion enclosed by circular compartments, at times linked by continuous bands that loop around the units (no. 68).

The same combination of floral and geometric components occurs on goblets, some of which are pierced (nos. 77–78). The practice of piercing walls and filling the holes with transparent glaze first appeared on twelfth-century Seljuk wares, apparently in an attempt to simulate the translucency of Sung dynasty porcelain. Its revival in the Mamluk period was purely decorative, the liquid seen through the holes forming a pleasing contrast to the bold blue, green, and black decoration.

The design of Mamluk jars is often compartmentalized, with the shoulder encircled by a band and the body divided into vertical or horizontal units (nos. 80–83). Albarelli or apothecary jars were similarly decorated, employing both horizontal and vertical subdivisions. The neck and shoulder of jars and albarelli generally had inscriptions (no. 81), although there are also examples with bold script encircling the entire body.

Among the most interesting Mamluk ceramics is a series of large and small jars decorated with animals (nos. 82–83). Various birds or waterfowl promenade or fly around the body. Cranes, ducks, geese, and peacocks are commonly represented against a dense ground of loosely sketched floral motifs. One of the unique animals is a winged horse that appears on a large jar (no. 83). Although the representation of horses on Mamluk wares is not unusual and is found on a few fragments of pottery excavated at Fustat, winged creatures are rare. 1

The decoration of the jar with horses is painted in blue and black as well as in a white slip under a transparent colorless glaze resembling the slip-painted wares of the neighboring Ilkhanids and Khans of the Golden Horde.² The Mongol pieces have a similar type of floral decoration in the background with large lotus blossoms and winding vines bearing leaves and buds; the animals are executed in the same spontaneous and lively manner. The stylistic and technical similarities between Mamluk and Mongol slip-painted wares suggest that the artists not only shared a common heritage—that of Ayyubid and Seljuk pottery—but also exchanged decorative themes and motifs. Some Bahri period slip-painted wares are extremely refined and represent the last of the great figural style in the Mamluk ceramic tradition.

Unfortunately, intact pieces with figural compositions have not survived and only a glimpse of the richness of this style is provided by fragments excavated at Fustat, many of which are underglaze-painted in polychrome colors. Among the most interesting shards are those that depict two figures sailing a boat, hunters or mounted warriors, the Descent from the Cross, and riderless horses, one of which has the blazon of the cup-bearer on its saddle. These fragments indicate that potters employed the same themes used by metalworkers and glassmakers to represent various courtly activities, narrative scenes, and Christian subjects.

One of the almost intact pieces is an extremely rare bowl with a central medallion enclosing a bird and a shield with a pair of polo sticks in the cavetto, identifying the office of the polo master. Blazons are found on other underglaze-painted wares, some of which are slippainted.

A second type of Mamluk pottery is luster-painted and was most likely made for the court. The majority of pieces are jars and albarelli decorated with a brilliant golden luster applied over a rich and deep blue ground. The golden tone of the luster is quite dazzling and far more intense than that seen in Ayyubid and Seljuk examples.

The production of lusterwares is associated with Damascus and is thought to have been first made by the potters of Raqqa, who fled there after the destruction of their city by the Mongols in 1259. The Syrian provenance is confirmed by the inscription on a luster-painted jar that states that it was made in Damascus by Yusuf for Asad al-Iskandarani.⁵ Lusterwares might have also been made in Egypt since several fragments were unearthed there.⁶ Egyptian production appears to have been limited and was likely the result of the efforts of a single man; wasters with luster-painting dating from the Mamluk period are noticeably absent from the Egyptian finds. Egypt did, however, import Syrian as well as Spanish lusterwares, as indicated by excavated material.

Mamluk luster-painted jars and albarelli follow the same compositions and decorations found on underglaze-painted examples. The horizontal format occurs on the jar made in Damascus by Yusuf, as well as on an example that bears a dedication to an anonymous sultan. It is also employed on yet another jar adorned with inscriptions and birds in foliage (no. 84).

In addition to jars and albarelli painted in golden luster, there exist several bowls with radial designs rendered in blue, turquoise, and brownish red luster. Although their shapes and decorative themes follow the vocabulary of the age, the use of brownish red luster on these wares is quite extraordinary. They could have been made in Syria, reviving a style formerly associated with Raqqa or in Iran where bowls with radial designs using the same color scheme were made under the Ilkhanids.

Mamluk luster-painted jars and albarelli were highly regarded in Europe. Most of the surviving examples were found in Sicily, one of the

major commercial links between the Mamluks and the West. 10 Underglaze-painted jars and albarelli—used to ship luxury items, such as spices and oils—were also in demand by Europeans. Mamluk artists must have taken commissions from the Italian states as indicated by an albarello containing the coat of arms of the city of Florence. 11

Luster-painted wares ceased to be produced after the turn of the fifteenth century. Their disappearance is blamed on the sack of Damascus in 1401 by the Timurids. The destruction of Damascus, and the consequent demolition of the potters' quarters, coincides with the termination of Mamluk lusterwares, recalling the fate of enameled and gilded glass.

A type of ware made for domestic use and incised with inscriptions and blazons appears to have been an Egyptian specialty in contrast to lusterwares, which were produced in Syria. This ware evolves at the end of the thirteenth century and continues through the fourteenth century. It has a coarse red body covered with a white engobe; the design was incised through the engobe and selected areas were painted in colored slips. The entire piece was then glazed in tones of green, yellow, and brown. The shapes were limited to high-footed large bowls and goblets with flaring straight sides (nos. 93–95). There are also rare pieces such as bowls with rounded bases and jars reflecting metalwork shapes.

The composition of these wares usually follows the layout of contemporary Mamluk metalwork: large inscription panels are broken into three units by circular shields containing blazons (no. 93). Some examples have concentric designs with continuous inscriptions enclosing a central blazon (nos. 94–95) or radial panels subdivided into units bearing inscriptions and blazons. 12

The inscriptions are badly written and often contain a phrase stating that the piece is "one of the things made for . . . ," followed by the honorific titles employed by amirs who are not further identified. The only exception is a unique bowl with rounded base, its inscription stating that it was made for Shihab al-Din ibn Qarji, identified as an officer in the service of Sultan Nasir al-Din Muhammad. A number of similar pieces found at Fustat. Alexandria, and Luxor contain lengthy inscriptions bearing the name of the maker, Sharaf al-Abawani (no. 95), who is thought to have worked in various locations. The name may, however, identify a workshop specializing in wares for amirs rather than a specific individual.

Another group of incised wares with neither inscriptions nor blazons is adorned with birds, fish, and other animals as well as floral arabesques and geometric designs composed of interlacing bands, stars, and strapwork. The rich collections of such shards in the Museum of Islamic Art in Cairo and the Victoria and Albert Museum in London reveal many themes: some reflect metal prototypes, others share the decorative vocabulary found on ceramics.

One must assume that Mamluk incised wares were made for two types of clientele: the inscribed pieces with blazons were produced for

the officers, and those with other decorations were sold to the public. The former was obviously mass-produced with standardized inscriptions and blazons. An amir who was elevated to a specific office purchased a readymade piece with the appropriate emblem. Presumably, the higher and wealthier amirs preferred to own brass objects inlaid with silver and gold.

Since there are no examples with composite charges of the Burji officers, incised pottery made for amirs seems to have fallen out of fashion in the fifteenth century. On the other hand, those made for public consumption were produced until the end of the Mamluk period. Although the majority of these wares are roughly made, an extraordinary fragment unearthed at Fustat indicates that the potters were capable of creating highly refined works. ¹⁵ This piece, decorated with kufic inscriptions and floral scrolls, reveals the hand of an extremely talented artist.

A type of red-bodied ceramic found in Egypt and related to the incised wares is painted in white slip and glazed in brown, green, or yellow. There are also examples made of buff clay with manganese purple used both as a slip and as the overall glaze. The slip is thickly applied and creates a relief; the decoration includes floral compositions, inscriptions, and animals. This ware was produced throughout the Mamluk period, retaining the same humble quality. Most of the intact pieces are bowls, similar in shape to underglaze-painted wares (no. 98).

Another group of slip-painted ceramics is unglazed and decorated with geometric patterns. This type, found in Syria, Palestine, and Jordan, appears to represent a regional tradition still in practice today. Some are large jars, others are smaller jugs and vessels. ¹⁶ A rare example is decorated with a blazon and is thought to have been produced in Egypt. ¹⁷

Unglazed molded wares, particularly those shaped as water canteens, popularly called pilgrim flasks, were also a specialty of the Syrian potters. These flasks have a coarse off white body, a flattened round shape with high neck, and a pair of handles attached to the shoulders (nos. 96–97). The same circular mold, often with rounded edges containing decorative bands, was applied to both sides. The decorations include a variety of blazons, geometric motifs, and inscriptions. A few inscriptions give the name of the maker, such as al-Mufid (no. 97), al-Afaf, and Ali al-Himsi. These canteens were an essential part of military gear, similar to the water flasks used today. They were also used by merchants and travelers who had to journey across hot and arid lands.

Other unglazed wares were shaped as lamps and pipes or as spherical ampules, the so-called grenades whose real function is still problematic.

In the fourteenth century Mamluk ceramics began to reveal the influence of Chinese export wares. The wealth of Chinese celadon and blue-and-white wares excavated at Fustat and those found in Syria

indicate that among the most lucrative Mamluk trade items were Far Eastern ceramics. It is, therefore, not surprising that the largest group of Bahri period shards and wasters found in Egypt, from Alexandria to Nubia, is imitation celadon. Mamluk examples copy both the shapes and glazes (ranging from bright green to gray green) of the Yüan dynasty originals. The decorations include such traditional Chinese motifs as chrysanthemums or pairs of fish executed in relief. Some examples employ different techniques, combining molding with slippainting (no. 92).

The potters also produced monochrome glazed jars, which often have fluted bodies. Several were glazed in celadon green while others employed turquoise, reverting to Ayyubid and Seljuk practice. One of the most interesting jars has a fluted body with applied strips forming zigzags and roundels on the shoulders. This example has a domical lid, among the few that have survived. ¹⁹ Other monochrome glazed ceramics include goblets, beakers, and vases produced both in Egypt and Syria.

The development and provenance of Bahri period ceramics, which are extremely varied in style and technique, are difficult to determine. There are very few dated and signed examples and even fewer pieces bearing dedications. Dated examples are limited to a few shards excavated at Hama, their inscriptions stating that they were made "in the year 44" or "45," that is in 744 or 745 Hijra (a.d. 1343 or 1344). Potters' signatures and patrons' names are equally rare: Yusuf appears on a luster-painted jar ordered by Asad al-Iskandarani, and the name Sharaf al-Abawani is seen on a series of incised wares, while an unidentified sultan was the patron of another lusterware jar. The majority of incised wares with blazons are dedicated to anonymous amirs, with one exception that identifies its patron as an officer in the service of Sultan Nasir al-Din Muhammad.

In contrast, there are numerous fragments from the Burji period bearing the names of more than thirty potters or workshops. Unfortunately, extremely few signed pieces are intact, and it is not yet possible to determine a chronological or typological sequence.

Burji period (1382-1517)

The most popular technique employed by fifteenth-century potters was underglaze-painting. These wares, made both in Egypt and Syria. have off white and reddish clays. Their shape and decoration either follow fourteenth-century examples or reveal the impact of contemporary Ming dynasty porcelain.

The first group of underglaze-painted wares, that is, those following fourteenth-century traditions, include both deep and shallow bowls and high shouldered jars. They are decorated in blue and black with occasional turquoise and green under a colorless glaze.

A second type of pottery, called "silhouette" ware, is painted in black under a blue, turquoise, or green glaze. Some employ radial designs, others are decorated with overall floral scrolls, large central

blossoms, and geometric patterns. These "silhouette" wares were most likely produced in the fourteenth and fifteenth centuries. Those pieces using blue (ranging from blue gray to deep cobalt) and turquoise glazes are generally associated with Syria and Iran, while the green glazed wares are assigned to Egypt, but black-painted wares with all three glazes appear to have been produced throughout the Mamluk world.

A third group of underglaze-painted wares are painted only in blue. Similar to the fifteenth-century wares of Turkey and Iran, some examples are almost verbatim copies of Ming dynasty porcelain, while others incorporate a more select representation of Chinese motifs. The dominant design was floral: lotus blossoms, peonies, and chrysanthemums with the ubiquitous Chinese floral scroll.

A plate excavated at Hama is probably one of the earliest Syrian copies of Chinese blue-and-white wares. This example, thought to have been made in Damascus before the Timurid sack of the city in 1401, employs the tripartite division and motifs found in Chinese porcelain: a lotus blossom tied with a ribbon appears in the central medallion, a floral scroll in the cavetto, and a wave-and-foam pattern on the rim. The attribution of this piece to Damascus is strengthened by its similarity to a small blue-and-white bowl adorned with a Far Eastern scroll that has a notation in its footring stating: "made in Damascus."

In the beginning of the fifteenth century, Syrian potters began to integrate many Chinese motifs with native elements. For instance, the three blue-and-white bowls from the Madina Collection in New York employ the traditional radial design, but some of the floral scrolls are inspired by Chinese motifs (nos. 74–76). Stylized chrysanthemums decorate a jar of typical Mamluk shape with vertical divisions. ²³ A similar adaptation is seen in the Egyptian blue-and-white wares, as exemplified by a vase with a pair of applied handles that copies a Chinese shape. Its decoration with wave-and-foam border, floral scrolls, and concentric wave patterns derives from Far Eastern prototypes, but its style of painting and paneled division are of Mamluk origin. ²⁴ This vase also bears on the footring the signature of the maker, Abu'l-Izz. Another intact blue-and-white vessel with a potter's signature is a jar made by Hajji Agha, who wrote his name on the neck of the piece. ²⁵

In the Burji period, the majority of potters' names appear on the footrings of vessels, which are now broken. Among some thirty signatures found on fragments are names such as Gaibi, al-Shami (from Shams or Damascus), al-Tawrizi (from Tabriz), al-Misri (from Cairo or Egypt), and al-Hormuzi (from Hormuz). ²⁶ It is not yet possible to identify according to style the hand or studio of any of these artists; they appear to have worked in a similar manner, employing birds, hares, ducks, and other animals, as well as lotus blossoms, peach or pomegranate sprays, and various floral scrolls derived from both indigenous and Chinese traditions. These wares span a broad period of time, extending from the third quarter of the fourteenth century to the

very end of the fifteenth century, further complicating the identification and evolution of individual styles.

Among the few intact pieces bearing signatures is a black-painted lamp decorated with incised floral scrolls made by "Ibn al-Gaibi al-Tawrizi";²⁷ a large tile from the shrine of Sayyida Nafisa, painted in blue and black, signed "Gaibi ibn al-Tawrizi";²⁸ and a panel composed of six square tiles with the name "Isa ibn al-Tawrizi."²⁹

Without thorough stylistic and technical analysis of the pieces bearing these "signatures," one can only propose theories for the meaning of the words. Most of the fragments are signed by Gaibi or contain the nisba al-Tawrizi. Gaibi could have been the name of a workshop that specialized in underglaze-painted wares, similar to the studio of Sharaf al-Abawani, which in the fourteenth century made incised wares for amirs. Al-Tawrizi might have been used to identify a style that at one time was associated with the city of Tabriz, recalling the practice of late Ayyubid and early Mamluk metalworkers who used the nisba al-Mawsili. It may also have designated a particular type of ware, such as tiles.

The impact of Chinese themes on underglaze-painted Mamluk wares is also seen in early fifteenth-century Egyptian and Syrian tiles.³⁰ The celebrated complex of Ghars al-Din al-Khalil al-Tawrizi in Damascus, built before his death in 1430, is almost a museum of hexagonal tiles, most of which employ geometric designs with central rosettes or floral sprays. Some of the motifs found on Egyptian and Syrian tiles—such as willows, water weeds, fruit-bearing branches, lotus and peony scrolls—derive from Chinese wares but are rendered in a local style (see nos. 85–91). A few tiles are decorated with curious ewers, musical instruments, or quivers with textile patterns (nos. 88 and 90–91).

It is difficult to explain the sudden interest in the production of tiles in the Mamluk world. This interest is not limited to Egypt and Syria but also occurs in contemporary Ottoman and Timurid buildings. Unlike Turkey and Iran, the Mamluk world lacked a strong and continuous tradition of tile production, and this new fashion of building decoration must have resulted from close contact with neighboring empires. Tiles were employed on several Mamluk buildings executed between 1330 and 1350, but these were limited to restrained decorations on a few domes, minarets, mihrabs, and windows and are thought to have been the work of artists from Tabriz.³¹ Tile revetments became fashionable in the early fifteenth century and continued to be employed during the Ottoman period in Egypt and Syria. Blue was the most common pigment used on tiles. Some pieces also have thin turquoise, green, or black borders. There are also examples painted in blue and black and some with turquoise added. The majority are hexagonal, while a few are composed of several squares or are executed as large single panels. Among the most beautiful Mamluk tiles are those made for Sultan Qaitbay's buildings, which include lunettes and circular examples with his epigraphic blazon.32

The only firm conclusion to be derived from the wealth of material dating from the Burji period is that Chinese porcelain, exported in abundance to both Egypt and Syria, provided inspiration for local potters, who first made exact copies and then blended the new motifs with indigenous traditions. This phenomenon, characteristic of Islamic pottery, was observed in the ninth and twelfth centuries with themes provided by T'ang and Sung dynasty wares. In the fifteenth century it was particularly noticeable throughout the Islamic world with the potters of Turkey and Iran following exactly the same process as their colleagues in Egypt and Syria.

The decorative themes on Chinese wares were very appealing to Mamluk potters and their clientele who were familiar with designs incorporating animals and floral motifs. The impact of Chinese blue-and-white wares on Mamluk ceramics was not revolutionary; it did not drastically change the tradition but simply altered the surface decoration and enriched the existing vocabulary.

The study of Mamluk ceramics reveals an extraordinarily energetic production of all types of wares made for the court, the bourgeoisie, and the general public. Although the tradition was not innovative and did not bring forth new techniques, there was a wealth of experimentation with decorative vocabulary and available methods. The potters revived older practices and were inspired by the contemporary arts as well as by export wares. Their works were valued at home and abroad. As observed in all ceramic traditions, there were artists who created new pieces and craftsmen who merely copied them. The most remarkable feature of Mamluk pottery is that talented artists were always available and produced quality products up to the very end of the empire.

Notes

- 1. For riderless horses see Cairo 1922, pls. 116 and 121. Also illustrated in Aly Bahgat and Massoul 1930. pl. 7; and Scanlon 1967, fig. 6a.
- 2. For the so-called Sultanabad wares see Reitlinger 1944; Lane 1971, chapter 1; Grube 1976, no. 27 Golden Horde wares are discussed in Lane 1971, pp. 13-14 and pl. 5.
- 3. Figures sailing a boat are in Cairo, Museum of Islamic Art, 5379/25 (Wiet 1930, no. 66b; Cairo 1969, no. 129); hunters, same collection, 3902/24 (Cairo 1922, pl. 122; Aly Bahgat and Massoul 1930, pl. LI:2); Descent from the Cross, same collection, 13174 (Cairo 1922, pl. 123; Cairo 1969, no. 123); riderless horses, same collection, 18773 (Cairo 1922 pl. 121); and horse with blazon on saddle published in Scanlon 1967, fig. 6a.
- 4. Cairo, Museum of Islamic Art, 5272 (Aly Bahgat and Massoul 1930, pl. 6; Cairo 1969, no. 134).
- 5. Lane 1971, pp. 15-16 and pl. 7
- 6. Mostafa 1949.
- 7. London, Victoria and Albert Museum, 1600-1888 (Lane 1971, pl. 8). An albarello adorned with vertical panels is in London, British Museum, 1934 7-24 1; another example decorated with diagonal panels is published in Lane 1971, pl. 9. 8. Paris, Louvre, 6081 (Paris 1977, no. 182); and same
- collection, 5970.
- 9. Atıl 1973, nos. 73-74
- 10. A jar in London, Victoria and Albert Museum, and an albarello in London, Godman Collection, came from Sicily (Lane 1971, pls. 8-9). See also no. 84.
- 11. Lane 1971, pl. 15.
- 12. The radial design is quite rare and appears on a bowl found at Fustat, now in London, British Museum, 1908 7-22 1. This example has a napkin blazon.
- 13. Cairo, Museum of Islamic Art, 3945 (Wiet 1930, no. 68; Cairo 1969, no. 143).
- 14. Marzouk 1957; Abd al-Raziq 1966; Luxor 1979,
- 15. A reconstructed drawing is published in Scanlon 1971, p. 228 (top).
- 16. Many examples are on display in public museums in Aleppo, Amman, Damascus, and Jerusalem.
- Cairo, Museum of Islamic Art.
- 18. For pieces inscribed with the name al-Afif see Riis and Poulsen 1957, p. 297, nos. 8, 10–11, and 13, fig. 1111. For Ali al-Himsi see Riis and Poulsen 1957, p. 297, no. 14.
- 19. London, Victoria and Albert Museum, 392-1887.
- 20. Riis and Poulsen 1957, pp. 291-92, figs. 1092-94.
- 21. Damascus, National Museum, A1700 (Lane 1971, pl. 13; Damascus 1976, fig. 131).
- 22. Paris, Louvre, MAO 363 (Paris 1971, no. 87; Paris 1977, no. 140).
- 23. London, Victoria and Albert Museum, 413-1918 (Lane 1971, pl. 14).

- 24. Cairo, Museum of Islamic Art, 4577 (Cairo 1969, no. 136; London 1976, no. 318).
- 25. London, Victoria and Albert Museum, 557-1905
- 26. Most of these are published in Abel 1930, a confusing study without typological or chronological sequence.
- 27. New York, Metropolitan Museum of Art, 91.1.95 (Dimand 1944, fig. 142; Lukens, 1965, no. 35; Lane
- 1971, pl. 17a). 28. Cairo, Museum of Islamic Art, 2077 (Cairo 1969, no. 138; London 1976, no. 317).
- 29. Carswell 1972a, pl. 8.
- 30. For a study of fifteenth-century Syrian tiles see Carswell 1972 and 1972a
- 31. Meinecke 1976.
- 32. The roundel is published in Wiet 1930, no. 69. The lunettes are in Aly Bahgat and Massoul 1930, pl. o:134-35.

66

Bowl with eight radial panels Underglaze painted in blue, turquoise, red, black Late 13th-early 14th century

Height: $12.0 \text{ cm. } (4\frac{3}{4} \text{ in.})$ Diameter: $24.5 \text{ cm. } (9\frac{5}{8} \text{ in.})$

Damascus, National Museum. A5356 Found at Aleppo, 1948

A group of underglaze-painted Mamluk bowls (nos. 66–73) displays the same fabric and technique: an off white paste covered with a thin white engobe and decorated with varying combinations of black, blue, green, and turquoise under a transparent colorless glaze. The predominant design is radial, that is, a series of panels radiate from the center. Floral motifs appear in almost every bowl. Several examples contain geometric patterns and a few show simulated inscriptions.

This deep bowl uses an underglaze red in addition to the blue, black, and turquoise pigments usually employed on Mamluk pottery Its shape, design, and color indicate a continuation of the renowned Ayyubid wares of Syria.¹

The exterior of the bowl has forty-five loosely drawn petals rendered in black. The interior is divided by triple black lines into eight triangular panels that radiate from the star-shaped core. Each panel is outlined in red and turquoise bands and contains a polygon filled with two alternating motifs: a series of four minute dots or crosshatching. A chevron band appears below the rim, which has a plain black border.

Museum records indicate that this bowl came from Aleppo. The same radial design with crosshatching and clusters of dots was used in one of the pieces excavated at Hama, strengthening its Syrian origin.²

Published London 1976, no. 315.

Notes

- For a comparable piece see Atil 1975, no. 30. Fragments of this type were found at Baalbek. Fustat, and Hama. See Cairo 1922. pl. 89; Sarre 1925, pl. 22, no. 65; Riis and Poulsen 1957, p. 187.
- 1997, p. 187.
 2. A similar piece with eight-partite divisions using crosshatching in alternate panels was found at Hama (Riis and Poulsen 1957, fig. 771). See also Sarre 1925, pl. 23, no. 64.



67 Bowl with six radial panels Underglaze painted in turquoise, black 14th century

Height: $10.0 \text{ cm.} (3_{16}^{15} \text{ in.})$ Diameter: $21.3 \text{ cm.} (8_8^3 \text{ in.})$

Damascus, National Museum, A7414 Purchased 1954

This bowl reveals the same shape and technique observed in the previous example (no. 66). Its exterior is divided by a series of double black lines into twenty-one panels with a plain black band on the rim. The interior has six triangular panels formed by black lines that radiate from the center, accentuated with six turquoise bands. The panels are filled with two alternating motifs: a triple s-shaped branch bearing trefoil blossoms and leaves on a scroll ground and a vertical branch with symmetrically drawn leaves set on a plain ground enclosed by a trefoil border.

The design utilizes geometric and floral elements based on multiples of three. The strong radial movement created by the turquoise and black bands enhanced by the vertical branches is counteracted by the s-shaped scrolls and lobed borders. The decoration is executed in a spontaneous manner, belying its highly organized and sophisticated composition.

Bowls with radiating panels are frequently seen in the Ayyubid and Seljuk periods. This decorative scheme continued to be employed in the fourteenth century in Syria. Iran. and Turkey.

1





Bowl with quatrefoil design Underglaze painted in blue, black 14th century

Height: 8.3 cm. $(3\frac{1}{4} \text{ in.})$ Diameter: 16.2 cm. $(6\frac{3}{8} \text{ in.})$

New York, Madina Collection, c19

The decoration of this small bowl, based on multiples of four, is executed in a free and flowing manner. The exterior has eight panels defined by double or triple blue lines and filled with s-shaped scrolls. A black band appears on the rim and additional black lines encircle the upper and lower portions of the outer walls.

The interior, framed by a black rim band, contains a central medallion with a twelve-petaled

rosette. Four medallions with fan-shaped blossoms appear on the walls with floral sprays in the interstices. A continuous white band encircles the rim and loops around the medallions to define and unite each segment. This feature is one of the most outstanding characteristics of Mamluk art and is frequently observed in manuscript illumination. metalwork. glass, and architectural decoration (see nos. 4, 26, 51, and 101); it is, however, rare in underglaze-painted ceramics. Obviously inspired by the works of contemporary illuminators, metalworkers, glassmakers, and woodworkers, the maker of this bowl experimented with one of their traditional design features.

Unpublished



9

Bowl with central hexagon Underglaze painted in blue, green, turquoise 14th century

Height: 7.6 cm. (3 in.) Diameter: 33.0 cm. (13 in.)

New York, Madina Collection, c25 Ex-Kelekian Collection

The composition of this shallow bowl with everted rim is based on multiples of three arranged in five concentric rings that radiate from a hexagonal core. The units in each ring are softly curved and overlap one another, giving the impression of a multipetaled blossom. The maker has transformed a geometric design into a floral one, filling each petallike unit with alternating motifs.

The exterior is decorated with a series of blue and green strokes with double bands on the lower portion. A thin green band encircles the rim.

The interior of the rim has a blue chevron band filled with green crosshatching. The hexagon in the center of the bowl has dots and strokes. It is surrounded by crosshatched triangles that create a six-pointed star. The third zone contains six polygons alternately filled with four-petaled florets and clusters of triple dots. The next ring has larger units with fan-shaped blossoms and floral sprays. The last and fifth ring repeats the two designs of the third zone; rounded blossoms appear in the interstices.

Identical blossoms and floral sprays were employed on the previous example (no. 68). The similarity in execution of these motifs suggests that the two bowls were made at the same time, possibly in the same workshop. The peculiar fan-shaped blossoms are also found on other fourteenth-century Syrian wares.

The color scheme of this bowl is unusual, employing a bright green and omitting black, which is the most common pigment in Mamluk underglaze-painted ceramics. The green and blue pigments are thickly applied and appear in relief, recalling slip-painted wares.

Unpublished

Note

 They appear on a fragmentary bowl in Amman, Archaeological Museum: a shard in New York, Metropolitan Museum of Art., 08.256.275; and a complete bowl in Beirut (Beirut 1974, no. 27). Similar petal formations are found on bowls excavated at Hama (Riis and Poulsen 1957. fig. 726-27).



70 Bowl with central star Underglaze painted in blue, turquoise, black 14th century

Height: 7.5 cm. (2½ in.) Diameter: 30.7 cm. (12½ in.)

Cairo, Museum of Islamic Art, 15986 Purchased, 1949 Ex-Ibrahim Collection

The combination of geometric and floral motifs is also found on this shallow bowl with everted rim. A series of concentric swirls decorates the exterior while a plain band encircles the rim. The rim of the interior has a crosshatched border, painted in blue and divided into five panels by turquoise units. The same border.

divided into three panels, appears in the center, enclosing a five-pointed star. Geometric bands fill the arms of the star, dots and strokes adorn the core and interstices. The cavetto contains twenty-six staggered floral sprays radiating from the inner border; each spray bears two blue florets alternating with a pair of leaves. Clusters of triple dots fill the background.

The piece was warped during firing and the residues of a three-footed sagger can be seen around the central star. The black pigment, used in the branches and leaves of the floral spray, was improperly affixed during the firing and appears almost greenich in tone

almost greenish in tone.

Fapulalidad

71 Bowl with directional design Underglaze painted in blue, turquoise, black 14th century

Height: $6.3 \text{ cm. } (2\frac{1}{2} \text{ in.})$ Diameter: $24.1 \text{ cm. } (9\frac{1}{2} \text{ in.})$

New York, Madina Collection, c26

The decoration of this unusual bowl is directional. in contrast to the symmetrical designs observed on the previous examples. The rim has a blue crosshatched band divided into seven panels by turquoise units: the same band, divided into five, encircles the central medallion. This medallion reveals two superimposed designs: the first has four concave sides that create an arrowhead-like formation, while the second is a trefoil with extending lateral lines. The irregular segments created by these designs are filled with dots and strokes or roundels and dots.

The decoration of the cavetto is equally complicated: two thick bands with triangular and rectangular extensions meet at the apex and base to form an oval enclosure. Each band is outlined in blue and filled with roundels and leaves; the remaining zones have minute dots and strokes, which simulate inscriptions. Both the central medallion and the cavetto display a dichotomy between main theme and background.

The strange compositional layouts employed in the central medallion and cavetto are unique and do not appear on other examples of underglaze-painted wares. The crosshatched bands encircling the rim and medallion are more common and were seen in the previously discussed bowl (no. 70). The decoration of the exterior, composed of a series of eleven swirls separated by pairs of blue lines, is also found on contemporary bowls (nos. 68 and 72). The artist who made this bowl must have been a highly individualistic person who deviated from traditional composition and experimented with optical designs.

The concept of using a theme that is at once the main element and the background is not altogether alien to Mamluk art and can be found in manuscript illumination (see nos. 2 and 7).

Unpublished



72 Bowl with diaper pattern Underglaze painted in blue, black 14th century

Height: 10.2 cm. (4 in.) Diameter: 38.1 cm. (15 in.)

New York, Madina Collection, c46

A similar type of experimentation with optical effects is observed in this shallow bowl with everted rim. The exterior is decorated with a series of swirls separated by pairs of blue lines, a device found on a number of contemporary pieces (nos. 68 and 71). In this example, additional lines extend from the swirls to the foot.

A band of blue ovals and diamonds encircles the black rim; scrolls fill the interstices. The cavetto has an identical ground with the main design of overlapping ovals and trefoils rendered in blue, creating a series of units alternately decorated with scrolls and minute dots.

The large central medallion has the appearance of an overall diaper pattern composed of trefoils alternately filled with tightly wound and loosely wound scrolls. The design is meant to be directional, beginning with larger units and terminating with smaller ones or the reverse. This feature was either intentional by the artist, who may have wanted to create an illusionistic effect, or accidental, the maker finding it difficult to draw identical units as the composition progressed. Whatever caused the variations in the size of the units, the overall effect is quite impressive. Only one other contemporary piece employing this theme has been published: unfortunately, that example is fragmentary and it is not possible to determine whether it contains the same optical effect and progression in the size of the elements.

A similar diaper pattern appears on a mid-sixteenth-century plate from İznik, now in the Metropolitan Museum of Art in New York.² The model for the pattern used on the İznik plate has been identified as being from the repertoire of fourteenth-century Chinese celadons exported to the Near East.³ Although the same Chinese design may have influenced the composition of the Madina bowl, parallels for the geometric motif can be found in the Mamluk world. The peculiar "trefoil" units making up the diaper pattern are seen in contemporary art. including doublures of bookbindings and woodwork (see no. 99). It is possible that the potter, influenced by the designs found on Chinese export wares, abstracted one of the motifs from a geometric composition to create an overall pattern.

Unpublished

Notes

- Grube 1976, no. 246. A shard with an identical design is in New York, Metropolitan Museum of Art, 08,256,101.
- 2. New York, Metropolitan Museum of Art. 14,40,727 (Denny 1980, pl. 40).
- 3. Pope 1972.





Bowl with central rosette and star Underglaze painted in blue, black 14th century

Height: 6.3 cm. (21 in.) Diameter: 26.4 cm. (103 in.)

New York, Madina Collection, c23

Since underglaze-painted Mamluk wares were decorated with a variety of themes in different combinations, the typological and chronological development of the ceramic tradition is difficult to establish. This example contains a number of design elements that were used on other pieces. including a central rosette (see nos. 68 and 74-75), a geometric unit (nos. 69-70), and areas filled with minute dots and strokes (nos. 70-71). Its shape. with low foot, curving sides, and everted rim, was also observed on other pieces (nos. 69-72).

This example has a continuous scroll on the exterior. The interior is decorated with three zones designating the rim. cavetto, and center, each encircled by black lines and blue bands. The rim has a series of leaf-shaped strokes on a ground filled with dots and dashes. The center contains an eightpetaled blue rosette within an octagon, which is enclosed by an eight-pointed star placed inside another octagon. The semicircles around the star are enhanced by blue roundels, and the entire unit is enclosed by a blue band. The cavetto repeats the octagonal theme and is framed by a second blue band. The octagon in the cavetto and the arms of the central star are painted in black and decorated with abstracted floral scrolls.

The composition of the bowl, conceived as a series of clearly defined concentric zones, is quite sophisticated, each zone revealing a dichotomy between primary and secondary elements. For instance, the octagons in the center can be seen either as the main motifs or as the field between the rosette. star, and encircling scalloped band.1

Mamluk pottery, often dismissed as the humble man's craft, reveals the same high standards observed in manuscript illumination, metalwork, and glass, indicating that artists were capable of producing quality objects, regardless of their material.

I apathinited

I An example in Beirut has a hexagon inside a six-pointed star, but its cavetto contains the fan shaped blossoms seen in nos. 68-69 (Beirut 1974, no. 27)





74-75 Pair of bowls with twelve radial panels Underglaze painted in blue 15th century

Height: 11.5 cm. (4½ in.)

Diameter: 25.4 and 26.0 cm. (10 and 101 in.)

New York, Madina Collection, c24 and c45

Although one assumes that Mamluk pottery was produced for mass consumption, it is not easy to find a series of identical pieces executed in the same workshop. This pair of blue-and-white bowls proves that Mamluk pottery was mass-produced. A third example is also in the Madina Collection.

The bowls have a low foot, flaring sides, and slightly molded lip that turns under. The exterior has a series of strokes: the interior reveals twelve panels radiating from a central seven-lobed medallion enclosing a five-petaled rosette. The panels and the lobed medallion are outlined with double blue lines. The panels, defined by blue bands, are adorned with alternating designs: a floral spray of loosely drawn branches, leaves, and buds accentuated by a single six-petaled blossom and a cluster of overlapping roundels on a scroll ground. The former can be related to the sprays on an earlier piece (no. 70): however, the bud with two lobes flanking a spiked petal found in these panels is closer to the floral element that became popular in the fifteenth century (see nos. 34–35). It is not easy to identify the type of flora represented in the second set of panels. The artist may have been attempting to reproduce pomegranates or bunches of grapes, the latter seen on metalwork and carved stone plaques dating from the fourteenth century (see nos. 25 and 111).

The themes employed are indigenous and do not reveal the impact of Chinese export wares seen in some later blue-and-white wares and tiles (see nos. 89-91). Designs radiating from blue rosettes were among the decorations found on early Mamluk underglaze-painted wares (see no. 68).





Bowl with central cross and diamond Underglaze painted in blue 15th century

Height: 13.4 cm. (51 in.) Diameter: 34.0 cm. (133 in.)

New York, Madina Collection, c47

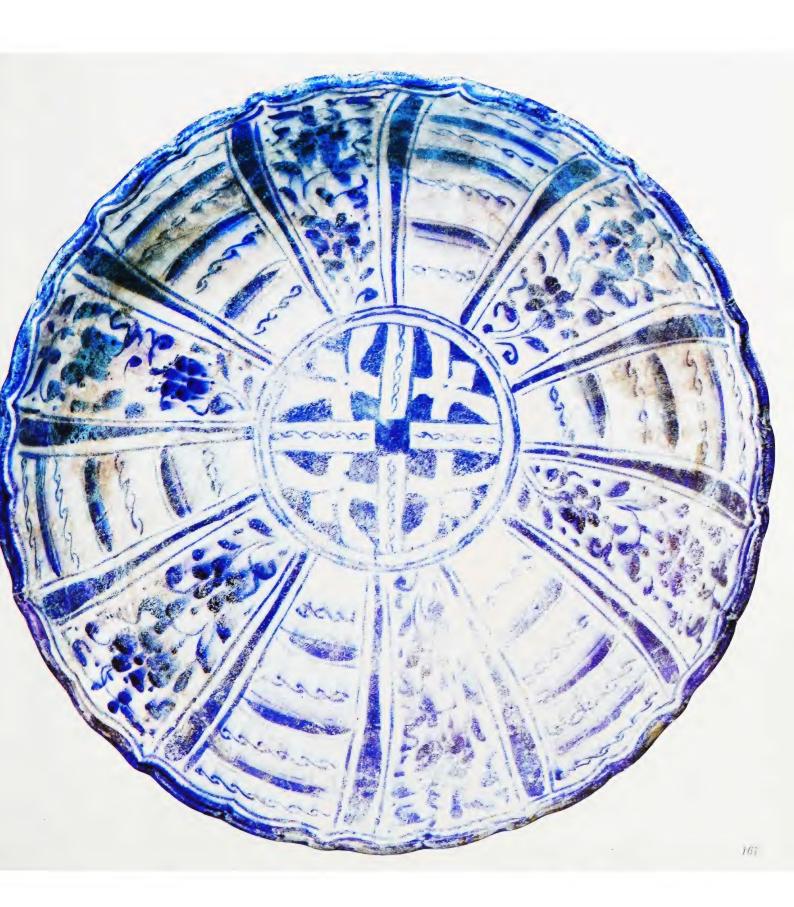
This bowl is so similar in style and technique to the previously discussed pair (nos. 74-75) that one can easily assign all three to the same workshop. It is slightly larger and has a foliated rim. The exterior is divided in two registers: swirls separated by pairs of lines appear above a series of double strokes. The foliate rim is encircled by a blue band.

The interior has twelve panels filled with alternating designs radiating from a central medallion. In contrast to the pair of bowls, the medallion on this bowl is adorned with a geometric pattern: a cross with braided motifs on its arms is superimposed on a diamond with trefoils at the corners. Series of thin lines define the medallion and the radiating panels, which are accented by additional blue bands.

Six panels contain a loose floral scroll similar to that described earlier (nos. 74-75). The alternating panels employ a horizontal layout with three bars forming four units, each bearing a thin scroll.

Although the foliate rim and the radial design have parallels in fourteenthand fifteenth-century Chinese ceramics, the decorative vocabulary of this bowl can be traced to an indigenous tradition. The combination of geometric and floral patterns was part of the traditional repertoire of Mamluk potters.





Goblet Underglaze painted in blue, black 14th century

Height: 9.8 cm. (33 in.) Diameter: $13.9 \text{ cm. } (5\frac{7}{16} \text{ in.})$

London. The British Museum, 1928 7-21 15 Gift of H. Van den Bergh. 1928

Goblets or stemmed cups were produced in ceramics as well as in glass (see nos. 59, 62, and 78). The proportions of these drinking vessels vary: some have tall stems, others—such as this example—are relatively low, resembling a highfooted bowl.

The exterior of this piece has a plain black border on the rim above a braided or meander band. A series of rapidly executed scrolls and strokes with pairs of blue lines decorates the walls. Thin black lines outline the horizontal divisions.

The interior reveals a tripartite design radiating from a hexagon. A band encircles the hexagon and loops around the trefoils in each of the three units on the walls. A roughly beaded border frames the composition. The zones between the three units are filled with crosshatching and accented with foliate cartouches. Additional bands with blue dots appear inside the trefoils and central hexagon.

The trefoils and foliate cartouches on the walls contain stylized blossoms on a dotted ground. Similar floral motifs and dots fill the hexagon, in the center of which is a crouching blue hare. The animal is almost invisible since the blue has bled and the glaze has pooled at the bottom of the piece, camouflaging the design.

The floral motifs on the British Museum goblet form a link between Ayyubid and Mamluk pottery. This piece also represents a type of Egyptian and Syrian ceramic that shows similar animals and cluster of dots common to the socalled Sultanabad wares executed in Iran under the Ilkhanids in the fourteenth century.1

Notes

I. A similar bowl with a four-partite design enclosing a hare in London, Keir Collection, has been identified as Iranian (Lane 1971, pl. 8; Grube 1976, no. 203). More research must be done on this group before the pieces can be properly attributed to



Pierced goblet

Underglaze painted in blue, turquoise, black

14th century

Height: $12.1 \text{ cm.} (4\frac{3}{4} \text{ in.})$ Diameter: 15.2 cm. (6 in.)

New York, Madina Collection, c18

Similar in shape to the previous example (no. 77), this goblet shows the revival of a popular twelfth-century tradition. Portions of the design were pierced, then covered by a transparent glaze creating "windows" through which one could see the liquid in the vessel. Piercing was first employed on a group of finely potted white Seljuk wares that attempted to simulate the translucency found in Sung dynasty porcelain: the technique was later applied to monochrome and polychrome wares. Its revival in the Mamluk period is remarkable; at least two other similar goblets are known to exist.2

This goblet has an elegant shape with a tall flaring stem accentuated by vertical strokes. The exterior of the cup has six triangular units containing trefoils radiating from the foot, with six-petaled blossoms in the interstices. Above this zone are six oval cartouches alternating with six petallike units, all of which are pierced.

The interior walls also display a twelve-partite composition. In the center is a medallion with a six-petaled rosette, framed by a crosshatched band intersected by five turquoise units, similar to those on other contemporary pieces (see nos. 70-71).

Unpublished

Atil 1973, nos. 14-15, 24, and 48.
 An identical goblet in New York, Madina Collection, has a central motif radiating from a six-pointed star. For a third example see Grube 1976, no. 249.



Vessel with handle Underglaze painted in blue, black 14th century

Height: 11.4 cm. $(4\frac{1}{2}$ in.)

Diameter of rim: 15.6 cm. $(6\frac{1}{8}$ in.)

New York, Madina Collection, c14

Underglaze-painted wares using a combination of black and blue are among the most common type of Mamluk pottery. The simple shape of this piece—with cylindrical body, everted rim, and single handle—is accentuated by a series of vertical strokes alternately painted in blue and black. The flattened rim is decorated with a scalloped frieze and thick band.

The shape of the rim indicates that the piece could not have been used as a vessel for pouring or drinking, as the liquid would have spilled when the container was tilted. Its specific purpose is still unknown, although a number of vessels of identical shape have been published. Considering the sanitary facilities of medieval Egypt and Syria, it is possible that this shape served a very humble—and very essential—role, such as that of a chamber pot for a child.

The vessel's harmonious decoration indicates that Mamluk potters produced attractive pieces for daily use, regardless of function.

Unpublished

Notes
1. This was a very popular shape in Ayyubid and Mamluk periods. A number of thirteenth- and fourteenth-century examples were excavated at Hama (Riis and Poulsen 1957. pp. 117-284). A fourteenth-century blue and black pot decorated with lotus blossoms is in Berrut (Berrut 1974. no. 28a). For a fifteenth-century example see Carswell 1979.





Large jar with inscription Underglaze painted in blue, black 14th century

Height 32.5 cm. (1213 in.) Diameter of rim: 10.5 cm. (41 in.)

Damascus, National Museum, A4547 Purchased 1947

The decoration of this jar reveals a highly competent execution with motifs rendered in a painterly manner. The artist has created a three dimensional effect, recalling the low relief of slippainted Ilkhanid wares

A plain black band encircles the everted lipabove a loosely drawn inscription written in black on a dotted ground placed on the neck. The inscription appears to be decorative, consisting of a eries of alifs and lams. It can also be interpreted as repeating la illah, part of the conventional pious phrase "there is no God but Allah.

The body is divided into eight vertical panels that employ alternating designs. The first has a pair of superimposed four petaled blossoms filled with black dots and placed on a floral ground-The other is divided into three horizontal units the upper and lower contain a pentagon adorned with a curving branch bearing a palmette executed in reserve on a scroll ground with black dots in the interstices; an inscription, identical to that on the neck, appears in the center. The thick blue lines separating the panels and outlining the units have run, providing subtle shading and enhancing the three-dimensional effect. Two black bands encircle the body just above the foot.

The off white fabric of the jar was covered with a white engobe that extends nearly to the foot. The glaze applied over the black and blue pigments is slightly greenish and has dribbled around the base. The incomplete application of the engobe and the pooling of the glaze are common to all Syrian wares and are particularly noticeable on the lower portions of both jars and

A jar in the Victoria and Albert Museum in London has similar proportions and decoration.¹ while a number of other examples were made in different techniques (nos. 83-84). These large jars were kept in pantries and were used to store grains or oils

Published M Ush 1963 pp 104 5 and fig 1

Damaseus 1976 p. 249 vitrine no. 7 and fig. 140 London 1976, no. 314

l This piece, which is slightly larger (10.6 cm, or 16 in, high), is published in Lane 1971, pl. 10. Other similar pars are in Seyres Paris, and Naples (Xuples 1967, no. 69 and hg. 50).



Small jar with geese Underglaze painted in blue, black 14th century

Height: 16.5 cm. (61 in.)

Damascus, National Museum, a5503 Found at Homs, 1949

Jars were also decorated with animals and birds, as in this charming example. The neck, which has been broken and repaired, depicts two four-legged animals and blossoms. A band of twelve heart shaped leaves interspersed with roundels appears on the shoulder. The body represents a procession of four geese strolling amidst sprays of leaves on a scroll ground. The geese are painted in reserve, their wing feathers rendered in black; the floral sprays are painted in blue and enclosed by a contour band.

Two black lines encircle the body above the foot, which is partially covered by a white engobe and thick pools of greenish glaze.

The geese are portrayed in a naturalistic and lively manner, indicating that Mamluk potters were as capable of representing animals as they were in employing floral and geometric motifs.

The heart-shaped leaves found on the neck also occur on a number of other fourteenth-century pieces executed in ivory, wood, and stone (see nos, 99-100 and 109).

Unpublished

Notes
1. Geese are also found on a jar in London, Godman Collection
(Lane 1971, pl. 11), and on several pieces excavated at Hama
(Riis and Poulsen 1957, figs. 746, 748, and 760–61)



53

Large jar with winged horses Underglaze painted in white slip with blue, black 14th century

Height: 38.1 cm. (15 in.) Diameter of rim: 12.3 cm. $(4\frac{7}{8}$ in.)

London, Victoria and Albert Museum. 482-1864 Purchased 1864

The most impressive group of underglazed-painted Mamluk wares is a series of large jars representing oversize animals executed in a flowing and spontaneous style that surpasses even book paintings of the period. These jars are almost the same size and shape and were used for storing and transporting food stuffs. Their exquisite decoration becomes even more remarkable when one considers their utilitarian function.

The decoration of this example is highly unusual. Six shields on the neck enclose a symbol called tamgha, a stamp or mark used by Turkish tribes. This symbol, whose origin and meaning are obscure, may have designated a specific rank or class, and this jar may have been made for the household of a Turkish official who used that emblem.

The body of the jar is adorned with two winged horses on a floral ground of trefoils, large split leaves, lotus blossoms, six-petaled flowers, rounded florets, and dots. The horses are represented in full gallop, running to the right: their bodies are covered with curls, wings are attached to their shoulders, and their long tails are knotted. A crane (or phoenix) and a large lotus blossom appear between the horses.

The flow of the large split leaves accentuates the gallop of the horses: this forward motion, counteracted by the static position of the crane and lotus, creates a dramatic balance between movement and arrest.

Black bands outline the lip, neck, and body: the white engobe stops short of the foot and the greenish glaze has pooled at the base.

Published Wallis 1887, color fig. 5 and text fig. 12

Vides

 For other published examples see Riis and Poulsen 1957, figs. 764-65 (Louvre jars); Lane 1971, pl. 11
 Waver 1933 pp. 18-19





84
Large jar with flying birds
Underglaze painted in blue; overglaze
painted in golden luster
14th century

Height: 38.1 cm. (15 in.) Diameter of rim: 13.0 cm. ($5\frac{1}{8}$ in.)

London, Victoria and Albert Museum. 1601–1888 Purchased 1888 Found at Trepani, Sicily

The technique of luster-painting, which was very popular in the Ayyubid and Seljuk periods, survived into the fourteenth century and appears on a number of large jars and albarelli thought to have been produced in Syria. Several of these pieces were found in Sicily, an important commercial link between the Mamluk world and Europe.

Luster-painted Mamluk wares are covered with a deep blue glaze on which the golden luster was applied and fixed during a second firing. The clarity of the golden luster is remarkable and extremely brilliant in comparison to the wares of the Ayyubid potters, who used a dull brownish red luster in combination with underglaze blue and turquoise pigments.

This piece is divided into four horizontal registers defined by thick bands, alternately decorated with inscriptions and birds on a floral ground. A band with seven birds perched on branches appears on the neck; the inscription panel on the shoulder is repeated on the base; and the body is decorated with six flying cranes. Similar to another large jar (no. 81), the inscriptions repeat a series of alifs and lams that may have a symbolic meaning.

The birds are rapidly drawn and face right, creating a freely flowing counter-clockwise movement that encircles the piece. The direction of the birds is counteracted by the inscriptions that read from right to left, producing a reverse clockwise movement. The dichotomy between movement and arrest described earlier (no. 83) created a vertical tension; here, the contrast is in horizontal registers.

Published London 1862, no. 7900. Wallis 1889, pl. 8 and fig. 15. Migeon 1907, vol. 2, p. 277 and fig. 228. Migeon 1927, vol. 2, pp. 212–13 and fig. 364. -

Hexagonal tile with central blossom Underglaze painted in blue Circa 1430

Height: 16.7 cm. (6% in.) Width: 20.3 cm. (8 in.)

New York, Madina Collection, c22b

This tile is decorated with four concentric rings. In the center is a seventeen-petaled blossom enclosed by a lobed medallion, placed on a hexagon with a floral scroll. Beyond this is a ring of six triangles that radiate from the hexagon and produce a sixpointed star. The triangular interstices between the points of the star, filled with strokes, scrolls, and chevrons, create the final hexagon.

The main motif is either the hexagon or the star, depending on how one reads the design. This optical play of primary and secondary themes is also observed on bowls (no. 73).

Since tiles were made for specific buildings that are dated, it is possible at times to compare detached examples with those in situ to determine when and where they were produced. The Madina tile is identical to a group of hexagonal tiles decorating the mosque and mausoleum of Ghars al-Din al-Khalil al-Tawrizi in Damascus. Ghars al-Din's complex, built before his death in 1430, has more than 1,300 hexagonal blue-and-white

tiles interspersed with triangular and turquoise glazed tiles. $\,$

Even though there is no documentary evidence proving that the Madina tile comes from the complex built by Ghars al-Din. it appears to have been produced at the same time and possibly in the same workshop. Several examples in public and private collections belong to this group.²

While the tiles in Ghars al-Din's buildings were set on their straight sides, a number of other hexagonal tiles were designed with the points forming the base (see nos. 86–89). It is not possible to determine how this example was meant to be affixed to the wall since it has a circular design.

Unpublished



Hexagonal tile with floral sprays Underglaze painted in blue Second quarter 15th century

Height: $19.0 \text{ cm.} (7\frac{1}{2} \text{ in.})$ Width: $17.0 \text{ cm.} (6\frac{11}{16} \text{ in.})$

Damascus, National Museum, a14153

Found at Damascus, 1960

Hexagonal tiles produced in Syria were frequently decorated with floral motifs and painted in deep blue, which had a tendency to run. This example, meant to be set on its point, has a symmetrical composition: a spray with three leaves—resembling the banana plant represented on fourteenth-century blue-and-white Chinese wares—grows from the point, flanked by large curving branches bearing willowlike leaves. Rounded fruit or blossoms fill the corners with thinner branches and leaves placed between the main flora.

Although some of the elements recall vegetation depicted on Chinese ceramics—such as the willow, banana, and plantain—the rapid drawing, carefree glazing, and stylized execution indicate that the artist blended foreign elements with native traditions.

Museum records do not indicate where in Damascus this tile was found. The only fifteenth-century tiles in situ are in the Ghars al-Din complex, but a number of other buildings, both religious and secular, must have been adorned with similar tiles.

Unpublished



Hexagonal tile with asymmetrical design Underglaze painted in blue, turquoise Second quarter 15th century

Height: 19.0 cm. (7½ in.) Width: 17.0 cm. (611 in.)

Damascus, National Museum, a14154

Found at Damascus, 1960



In contrast to the previous tile (no. 86), this example has an asymmetrical design framed by a turquoise border. It is executed in the same rapid manner and the blue pigment has run during the firing.

A single stem bearing two branches—one laden with blossoms and rounded fruit, the other carrying willowy leaves—springs from a cluster of weeds and grasses at the base. Motifs resembling fruit sprays appear between the floral elements. The softly curving units create a sense of movement, almost as if the branches were caught in a gust of wind. The effect of blowing in the wind is enhanced by the running glaze.
Although identical examples have not yet been

discovered, similar hexagonal tiles with swaying branches are in the Museum of Islamic Art in Cairo.1 The Egyptian examples are more carefully executed and their glazes have not run. Nevertheless, both Egyptian and Syrian tiles display similar themes and techniques and are thus difficult to differentiate.

Unpublished

Notes 1. Carswell 1972a, pl. 11. nos. c43 and c45.

Hexagonal tile with ewers Underglaze painted in blue Second quarter 15th century

Height: 19.0 cm. (7½ in.) Width: 17.0 cm. (611/16 in.)

Damascus, National Museum, A14155 Found at Damascus, 1960

This tile is decorated with a symmetrical design: three branches with leaves and rounded blossoms (or fruit) appear in the center and at the sides, flanking two ewers. The shape of the ewers is found in Mamluk metalwork, although the spouts and handles have been considerably reduced by the artist (see no. 19). The rounded blossoms in the branches are filled with crosshatching, a feature observed in Chinese porcelain exported to the Near East. This motif, a highly stylized version of either a lotus blossom or a pomegranate, frequently appears in Mamluk blue-andwhite tiles (see no. 89).

Tiles with ewers are seen in Ghars al-Din's complex.2 Although their symbolism is not clearly defined, it is obvious that they were associated with water, specifically the purifying water used for ablutions and in ritual cleansing. The ewer was used as the blazon of the tishtdar, superintendent of stores;3 this symbol, however, does not occur on any known monument or object associated with an amir who held that office. The use of ewers on Syrian tiles should be considered decorative or, at most, symbolic of ritual ablution.

Unpublished

- 1. Among fifteenth-century ewers are those made for the wife of Qaitbay in London, Victoria and Albert Museum, 762-1900 (D. S. Rice 1953a, pl. vi), and the wife of an amir named Zayn al-Din Jawhar al-Muini (Melekian-Chirvani 1969,
- figs. 19–25). 2. Carswell 1972 and 1972a
- 3. Mayer 1933, pp. 4-5.



Hexagonal tile with lotus scroll Underglaze painted in blue, black Mid 15th century

Height: 19.2 cm. (7% in.) Width: 18 0 cm. (716 in.)

Cairo, Museum of Islamic Art, 4583 Purchased 1917



This hexagonal tile and the following two examples (nos. 90-91) display an extremely refined technique and meticulously executed design. This one is from Cairo, the other two are from Damascus. Their similar dimensions and compositions indicate that both the Egyptian and Syrian workshops followed the same period style. The artists obviously traveled back and forth. bringing with them their designs and samples. thereby creating a national style.

The tile from Cairo has two thin black lines around the edge, framed by a turquoise band. Growing from the pointed base is a spray with three large rounded fruit or blossoms interspersed with leaves. A floral scroll, evolving from the lower left, encloses the spray. It bears an eightpetaled blossom, two large lotuses, and several trefoil buds amidst swirling branches and pointed leaves. The scroll's model can be traced to fourteenth-century blue-and-white ('hinese wares.'

The combination of Chinese and local elements appears in a blue-and-white panel made for the sabil (fountain) of Qaitbay, now in the Museum of Islamic Art.2 This panel, adorned with similar lotus biossoms, scrolling branches, and pointed leaves, bears the sultan's epigraphic blazon and dates from the second half of the fifteenth century

Carswell 1972a, pp. 104-6.

- John Carswell has discovered many blue-and-white Chinese porcelains in Syria and is currently working on a publication describing these wares (Carswell 1972b).
 Riefstahl 1937, fig. 26; Aly Bahgat and Massoul 1930.

Hexagonal tile with quiver Underglaze painted in blue, black Mid 15th century

 $\begin{array}{l} \text{Height: } 19.0 \text{ cm. } (7\frac{1}{2} \text{ in.)} \\ \text{Width: } 16.7 \text{ cm. } (6\frac{9}{16} \text{ in.)} \end{array}$

Damascus, National Museum, A7058 Found at Damascus, 1954

This and the following hexagonal tile were never mounted on a wall and, therefore, have clean edges and smooth backs. Both are enclosed by a black band and contain a central motif surrounded by a floral scroll.

In the center of this example is an unusual triangular object with a tassel attached to its base. The object is decorated with a braided border and has a scroll in the central field with a series of points extending from the upper edge. It most likely represents a quiver with arrows. A similar motif, identified as a rug, appears on a contemporary blue-and-white tile in Brussels. In the Brussels example, the "quiver" is enclosed by sprays of crosshatched pomegranates.

Three sprays bearing lotus blossoms, buds, and leaves grow from the two lower sides and the upper left. The blossoms and buds are shaded: crosshatching fills the core of the lotuses. The scroll, similar to the previous example, is derived from Ming dynasty wares, although the central theme is of native origin.

Hexagonal tiles with blazons are not uncommon: an example in Cairo represents a stemmed cup amidst a floral scroll, symbolizing the office of the *saqi*.² The depiction of a quiver is unique: it is possible that this tile was made as part of a set with other tiles representing arms and armor requested by a patron, or perhaps it was a sample shown to customers.

Unpublished

Notes 1, Brussels 1976, fig. 74, 2, Carswell 1972a, pl. 12, no. c104.



Hexagonal tile with spike fiddle Underglaze painted in blue, black Mid 15th century

Height: 19.0 cm. $(7\frac{1}{2} \text{ in.})$ Width: 16.7 cm. (616 in.)

Damascus, National Museum, A7057 Found at Damascus, 1954



Although this example and the one described earlier with quiver are similar in design, the execution of the scroll with lotus blossoms is slightly different. In this tile two scrolling branches evolve from the lower left and upper right and bear a pair of large stylized blossoms with crosshatched centers and shaded outer petals; the buds and leaves are also stylized and uniform in size. Obviously, it was painted by a different hand, probably in the same workshop.

The central motif is a string instrument with square body, long neck with three pegs, and elongated tailpiece terminating in a spike. This particular instrument, of Central Asian origin, is called rabab (spike fiddle); it has three strings and is played with a bow. It is still used today in parts of the Near East.

The representation of musical instruments is rare on Mamluk tiles. Only two other examples have been published: one depicts an oud or lute flanked by birds, and the other has an oud surrounded by floral sprays.1

Unpublished

Notes
1. The first tile is in London, Victoria and Albert Museum
(Carswell 1972, pl. 3, no. 25), The second is in the American
University of Beirut (MacKay 1951, pl. xvi, no. 9).

Bowl with fish

Molded; slip-painted; glazed in yellowish green

14th century

Height: 5.0 cm. (2 in.) Diameter: 24.2 cm. (9⁹/₁₆ in.)

London, The British Museum, 1928 7-21 6 Gift of H. Van den Bergh, 1928

The excavations in Egypt and Syria, more specifically at Fustat and Hama, have unearthed a vast amount of imitation celadon. The shard count at Fustat indicates that this type of ware was produced in quantity, second only to incised wares (nos. 93–95). Fustat excavations also show that Chinese celadons were imported and easily accessible as models for Mamluk potters.

This bowl was molded as well as slip-painted. The six quatrefoil rosettes on the rim were painted in slip as were the two fish, composed of roundels, swimming in the center. The cavetto has molded flutes. The bowl is glazed in finely crackled vellowish green on the inside and outside. The purple streaks seen in the cavetto were formed by a concentration of copper used to produce the greenish glaze. This type of cupric efflorescence is also seen in Chinese celadon.

The bowl's shape with low foot, flaring sides, and everted rim is Islamic and is seen in several other fourteenth-century examples (nos. 69–73). Its decoration and technique imitate the Yüan period Lung-Ch'üan celadons, in which the motifs were sprig-molded. The Islamic potter has used a simpler method to create the same effect.

Yüan celadons were imitated in Iran as well as in Egypt, and many examples reproduced the popular theme of a pair of earp swimming in the center of the bowl. A thematic variation was frequently employed on Islamic metalwork with rows of fish swimming in the bottom of brass bowls and basins (nos. 20–21 and 26–29) and in early Mamluk enameled and gilded glass (no. 48).

Published Hobson 1932, p. 65 and fig. 77.

Notes

1. Riis and Poulsen 1957, figs. 353-54; Scanlon 1971, p. 230.

03

Bowl with napkin blazon

Incised through white engobe: slip-painted in

dark brown: glazed in green, yellow

Mid 14th century

Height: 13.1 cm. $(5\frac{1}{8} \text{ in.})$ Diameter: 21.6 cm. $(8\frac{1}{2} \text{ in.})$

Cairo, Museum of Islamic Art, 5974 Purchased 1922

Inscriptions
Three panels on inside:

مما عمل برسم الامير ... العالى ... عز نصره

One of the things made for the amir . . . the sublime . . . may his victory be glorious.

The most characteristic type of Mamluk pottery made in Egypt is sgraffito or incised ware. These wares have a red body covered with a whitish engobe into which the design was incised. The decoration recalls themes employed on metalwork with inscription bands, medallions, and blazons. The shapes of these ceramic wares are generally restricted to large bowls and goblets. Incised wares were extremely popular and were produced in vast quantity in Egypt.

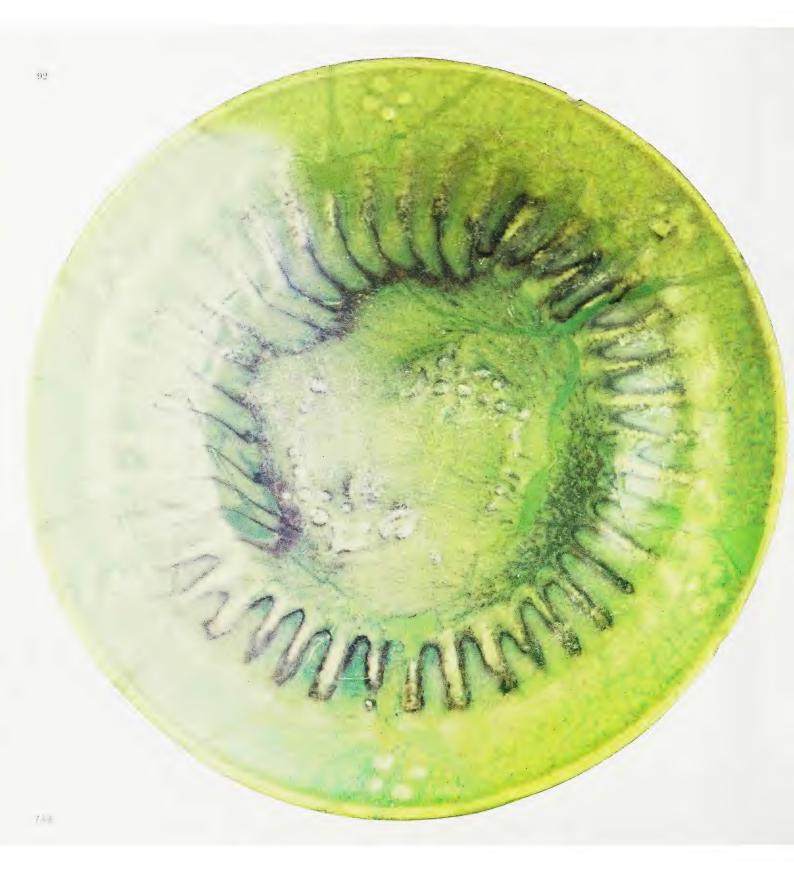
The inner walls of the bowl on display contain a wide inscription band broken into three panels by pear-shaped shields, which are divided into three fields. The central field bears a buqja, napkin, the blazon of the jamdar, master-of-the-robes. The inscriptions in the three panels are badly written and difficult to decipher; they seem to bestow traditional benedictions to an unspecified amir. Two bands enclose these panels: the upper one decorated with roughly drawn scrolls, the lower with a series of vertical strokes and s-shaped curves. A six-petaled rosette appears in the center.

The interior is glazed in green, with a dark brown slip applied to the central rosette and shields. The exterior is unadorned and glazed in yellow.

A central rosette is frequently employed on underglaze-painted wares (nos. 68, 73–75, and 85), while the strokes and s-shaped scrolls often appear on the exterior of fourteenth-century bowls (nos. 68 and 71–72). This incised bowl combines techniques and compositions of metalwork with certain motifs common to pottery.

The six-petaled rosette is thought to be an imperial symbol associated with the house of Qalawun (see also nos. 27 and 96). The three-fielded shield with central blazon made its appearance in the second quarter of the fourteenth century and continued to be used up to the end of Bahri Mamluk period. Although the patron of this bowl is not known, he must have been a jamdar in the court of Nasir al-Din Muhammad (1293–1341, with interruption) or one of his descendants.

Unpublished





Bowl with sword blazon Incised through white engobe; slip-painted in dark brown; glazed in yellow Mid 14th century

Height: 24.5 cm. $(9\frac{5}{8}$ in.) Diameter: 34.5 cm. $(13\frac{9}{16}$ in.)

Cairo, Museum of Islamic Art, 23832 Found at Jabal Adda, Nubia, 1966

This high-footed bowl has a wide inscription panel on the inner walls. The inscription is badly written and has not been deciphered; it appears to have been executed by an illiterate craftsman who copied the letters without knowing their meaning. Below the inscription is a chevron frieze followed by a zigzag band. The center has a crudely drawn circular shield divided into three fields; the central field represents a sword, the blazon of the *silahdar* (sword-bearer). Marks of a three-footed sagger appear around the blazon.

The interior and the unadorned exterior are glazed in yellow; a dark brown slip has been applied to the blazon, chevron frieze, and small dots between the letters. The majority of incised Mamluk wares are glazed in brown, in shades ranging from golden to chocolate. The next most popular glaze was green, seen in the previous example.

Many of the incised wares contain blazons representing stemmed cups, napkins, pen boxes, and swords (see no. 93). The inscriptions are often poorly copied and difficult to read, suggesting that the pottery was mass-produced without a specific client in mind. A few pieces bear the name Sharaf al-Abawani, which may designate a particular workshop rather than an individual artist (see no. 95).

Published London 1976, no. 320.







Goblet with trumpet blazon Incised through white engobe; slip-painted in brownish red, dark brown; glazed in yellow Mid 14th century

Made by Sharaf al-Abawani

Height: $17.2 \text{ cm.} (6^3_4 \text{ in.})$ Diameter: 25.4 cm. (10 in.)

Washington, D.C., Embassy of the Arab Republic of Egypt. 14922

Inscriptions Band on exterior:

 $Work\ of\ the\ poor\ miserable\ slave\ Sharaf$ al-Abawani, servant of all the people, glory and superabundance and prosperity.

Band on interior:

One of the things made for . . . the excellency, the master, the great amir, the masterful, the defender [of the faith], the warrior [of the frontiers], glory [may his victory be glorious].

This stemmed cup or goblet belongs to a unique group of Mamluk vessels that bear the name Sharaf al-Abawani. This name appears on a number of fragments found at Alexandria and Fustat, as well as on intact pieces in the Museum of Islamic Art, among which is an identical goblet. A slightly larger example, bearing the same, signature, was recently discovered at Luxor,2

The chalice-shaped goblet has a high splayed foot with straight sides widening at the rim. A series of incised lines divide the exterior into three horizontal zones. The upper band contains an inscription incised and slip-painted in brownish red; the ground is sparsely decorated with yellow strokes and dots. The middle band is blank, and the last register is decorated with red and brown angular s-shaped motifs.

The interior reveals a similar tripartite layout designated by incised lines: red and brown s shaped motifs appear on the upper zone, followed by an inscription rendered in red. with brown used in the background motifs; the lowest register has a pair of scalloped lines. The bottom of the goblet contains a circular shield with three bars; the upper and lower fields are painted brown, while a brown trumpet on a red field appears in the center; the shield is enclosed by a wide red band.

The exterior and interior design of the goblet is identical to the examples from Cairo and Luxor. All three pieces have similar inscriptions and crude decorations. The trumpet blazon on this piece is rare and may represent one of the members of the tablakhana (imperial military band). It also appears on a fragment of a footring from a similar type of ware.3 The office of the tablakhana does not seem to have an established sign and was at times represented by a drum or possibly a stringed instrument (see no. 91). Drums and trumpets were the two major instruments of the military band and are represented on illustrated manuscripts, including the 1315 copy of al-Jazari's Automata (no. 1, fig. 1).

The maker of this goblet. Sharaf al-Abawani. must have had a large workshop, which supplied the lesser amirs with ceramic vessels bearing their blazons. These goblets appear to have been massproduced with predetermined designs and inscriptions: the only variation is seen in the blazons, which may have been added when the pieces were commissioned.

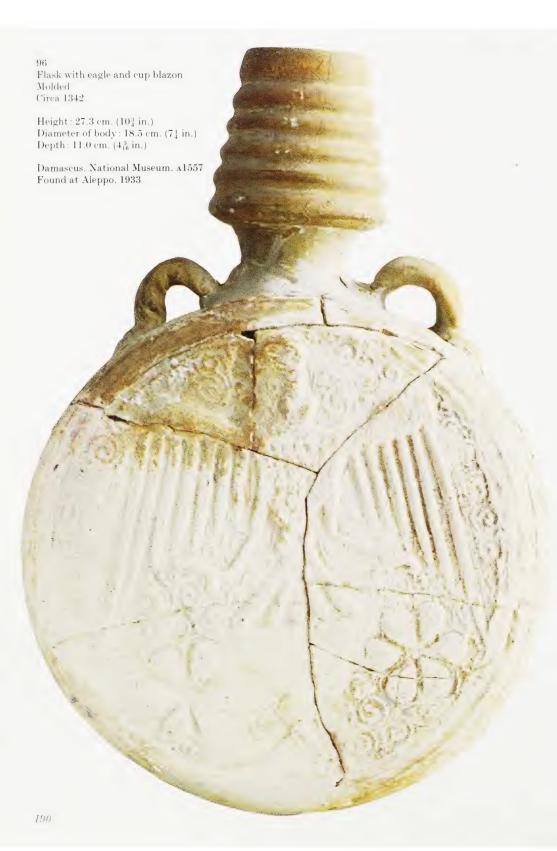
Published

Embassy 1954, pp. 18-19.

- 1. Fragments found near Alexandria are now in Alexandria. Faculty of Fine Arts (Marzouk 1957); the Fustat finds are in Cairo, Museum of Islamic Art (Abd al-Raziq 1966).
- 2. Luxor 1979, no. 325, 3. Meinecke 1972, pl. Lixe







Although underglaze-painted wares appear to have been produced throughout the Mamluk world, certain types of pottery were more or less restricted either to Egypt or Syria. For example, luster-painted wares were made in Syria (no. 84), while imitation celadon and incised and slip-painted pottery were generally limited to Egypt (nos. 92-95). Unglazed molded wares, shaped as canteens or pilgrim flasks, seem to have been a specialty of the Syrian potters.1

These flasks share a common shape: a globular body with flattened sides, straight neck, and two handles attached to the shoulders. The fabric is off white and the decoration is molded. The flasks are unglazed. which allows water to evaporate slowly through the porous body, thus enabling the contents to remain cool for some time.

These functional canteens were an essential part of military gear since amirs and soldiers needed to carry water on strenuous marches through arid zones. Many of them, similar to the example on display, contain the owner's blazon

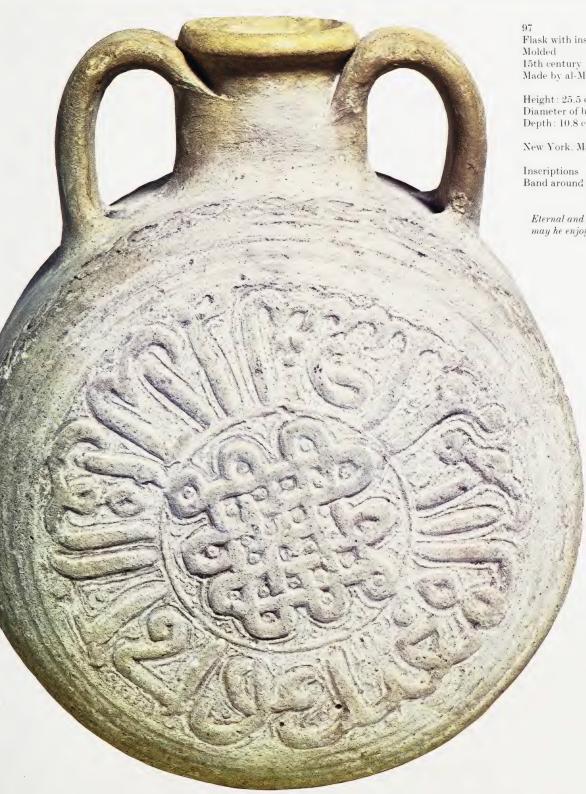
The Damascus flask represents an eagle with outstretched wings standing above a stemmed cup. The background is covered with scrollwork and two large six-petaled rosettes appear on either side of the goblet. The curving shoulders of the piece are embellished with braids. Although the same mold was used on both sides, one of the impressions is slightly off center. The composite blazon with eagle placed over a cup belonged to Amir Toquztimur, who was governor of Hama in 1341. The following year he became governor of Aleppo and was viceroy of Damascus until his death in 1345. He was the saqi of Sultan Nasir al-Din Muhammad, whose own blazon was the eagle. Toquztimur's emblem also appears on a basin commissioned by his majordomo, Qushtimur (no. 27). The six-petaled rosette is thought to be a symbol associated with the house of Sultan Qalawun, the father of Nasir al-Din Muhammad (see also no. 93). Its appearance on the Damascus flask may be either symbolic or purely decorative; Amir Toquztimur might have desired to honor the celebrated dynasty of Qalawun as well as his master. Sultan Nasir al-Din Muhammad, whose blazon, the eagle, he has incorporated with the sign of his office, the cup.

Toquztimur's flask has been broken and repaired; the neck and handles are the result of a later restoration.

Published

Damascus 1976, p. 240, vitrine 3 and fig. 135.

1. Sarre 1925; Sauvaget 1932; Riis and Poulsen 1957.



Flask with inscriptions Made by al-Mufid

Height: 25.5 cm. (10 in.)

Diameter of body: $20.0 \text{ cm.} (7\frac{7}{8} \text{ in.})$

Depth: 10.8 cm. (41 in.)

New York, Madina Collection, c28

Band around body:

العز الدائم والشامل عمل المفيد عوافي له (؟)

Eternal and complete glory. Made by al-Mufid. may he enjoy good health.

> This flask, identical in shape and technique to the previous example (no. 96). is decorated with an inscription band encircling a central medallion with an elaborate knot. The inscription is placed on a scroll ground and minute dots appear between the coils of the central knot. The curving shoulders are embellished with a loosely executed scroll. The same concave mold was applied to both sides of the piece

Although blazons, floral and geometric decorations, and animal figures are common to these flasks, inscriptions with the name of the maker are rare. Among the unglazed wares found at Hama are four fragmentary flasks signed by al-Afif: the same name appears on two intact pieces in London.1 Another unglazed canteen was made by Ali al-Himsi.² Similar flasks with inscriptions were excavated at Baalbek, some of which have blazons, floral motifs, and knotted designs.³

Unpublished

- Notes
 1. For pieces inscribed with al-Afif's For pieces inscribed with ai-Ain's name see Riis and Poulsen 1957, p. 297, nos. 8, 10–11, and 13, fig. 1111. The same inscription appears on a bottle from Hama in London. British Museum; and on another piece from Aleppo in London, Victoria and Albert Museum (Riis and Poulsen 1957.
- p. 297, no. 10). 2. For Ali al-Himsi's flask see Riis and Poulsen 1957, p. 297, no. 14. 3. Sarre 1925, pp. 7-11.

Small bowl with floral spray Slip-painted in white: glazed in brown 15th century

Height: 6.3 cm, $(2\frac{1}{2} \text{ in.})$ Diameter: 18.1 cm, $(7\frac{1}{8} \text{ in.})$

Cairo, Museum of Islamic Art. 23438 Found at Fustat. 1966

Slip-painted Mamluk wares produced in Egypt have a red body as do the incised examples: they are often painted in white slip and covered with a yellowish brown glaze. There are also examples painted with colored slips and glazed in green, brown, and manganese purple.

This bowl is slip-painted in white and glazed in brown, which appears yellowish on the white slip and dark brown over the red body. Nine roughly drawn scallops adorn the rim, a cluster of leaves appears in the center. The design is rapidly executed, and one leaf with a pointed lobe hangs down toward the cluster. Its free drawing recalls contemporary blue-and-white tiles (nos. 86-87).

This bowl represents a rare type of local pottery, some examples of which were painted with a thick slip, thereby creating a relief effect not unlike the imitations of molded celadon.

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WOODWORK, IVORY, AND STONE



WOODWORK, IVORY, AND STONE

Carved, inlaid, or painted wood and stone are essential elements of Mamluk architectural decoration. To appreciate the harmonious blend of diverse materials and decorative techniques, one must see the decoration in situ within a single structure. With the exception of two objects, an ivory box and a marble jar (nos. 106 and 112), the examples of woodwork, ivory, and stone included in this chapter have been removed from their original environment and provide only a glimpse into the incredible richness found in Mamluk architecture.

Mamluk buildings in Cairo and other major centers have a majestic appearance, whether they are squeezed into irregular lots in a crowded metropolis, spread over and around spacious city squares, or erected in the so-called cemeteries outside the capital. These cemeteries to the north and south of Cairo are in effect miniature cities in which the sultans and amirs built elaborate complexes surrounding their mausoleums. The dedication of such complexes, both in the capital and provinces, served as an excuse to commemorate the donor. The tombs were surrounded by mosques, madrasas, and khangas (Sufi monasteries), which provided facilities for praying, teaching, and housing, assuring a perpetual flow of people who were constantly reminded of the donor's piety and generosity. Other structures, either attached to the complex or conceived as independent units, included fountains (at times combined with schools), hospitals, baths, inns, and markets. The religious and charitable complexes were provided with wagfs (endowments) to support their activities and maintenance through revenues provided by commercial establishments such as khans (markets) and wakalas (inns). In addition to these religious, charitable, and commercial edifices, the Mamluks built gates and fortresses, bridges and aqueducts, palaces and mansions, administrative headquarters and military barracks.

Their energetic building activities transformed Cairo into a Mamluk city, in which more than 200 Bahri and Burji period structures are still in existence. Aleppo, Damascus, Jerusalem, and other commercial and administrative centers were provided with religious, residential, and military complexes. The preoccupation with erecting new buildings by the ruling class continued under the Ottoman governors, enabling Mamluk traditions to remain alive.

Whether religious or secular, all Mamluk buildings were invariably enriched with stone, wood, stucco, metal, and glass decoration. Stoneworkers carved entrance facades, domes, and minarets; embellished portals and windows; made screens, minbars (pulpits), and mihrabs; and set colored marble into walls, pavements, and fountains. Woodworkers produced doors, window shutters, and intricate screens called mashrabiyyas; made cenotaphs, mihrabs, and cupboards; coffered ceilings and domes with muqarnas (stalactite) zones of transition, which were subsequently gilded and painted; and designed minbars, kursis (lecterns), Koran boxes, and tables inlaid with different woods, ivory, and mother-of-pearl. Stucco workers embellished facades and mihrabs and carved delicate friezes to adorn the interior walls of the

chambers. Metalworkers fashioned massive doors, window grilles, and finials on domes and minarets, as well as many furnishings for the buildings. Glassmakers supplied stained-glass panels for windows and made colored and gilt tesserae for mosaics.

Woodwork and Ivory

Carved wood cenotaphs, mihrabs, minbars, screens, doors, and shutters were already employed in Ayyubid structures dating from the first half of the thirteenth century. These furnishings were often decorated with stars and polygons made of different types of wood laid in panels. Among the renowned examples of Ayyubid woodwork are the doors of the mausoleum of Imam al-Shafi in Cairo, which bear the date 1211 and the cenotaph from the same structure.

Mamluk woodworkers continued this tradition, but generally added ivory inlays to the different woods. Individually carved pieces of ivory and rare woods, such as ebony and redwood, were used to construct panels for doors, minbars, and other structures. This elaborate method of production is represented by a panel made of different woods and ivory, each polygonal segment cut and carved separately, then assembled like a mosaic panel with thin strips of ivory employed to outline and define the different elements (no. 99). Compositions were based on geometric patterns that evolve from a central star with six to sixteen points, forming a series of radiating polygons expanding from the core. This type of astral format was fully developed by the early fourteenth century, as observed in manuscript illumination (see nos. 3–4), and became the characteristic design of woodwork and inlaid stone until the end of the Mamluk period.

Wood panels were used in the construction of minbars, which were impressive structures, some as high as 7.5 meters (24 feet).² The Mamluk minbar has a portal with a cornice; double doors open to a staircase flanked by balustrades; steps lead to a high platform that is enclosed on three sides and crowned with a second cornice; surmounting the structure is a bulbous dome with a finial. The space below the platform was used as a cupboard, accessible through doors opening from both sides.

Among the earliest Mamluk minbars are those in the mosques of Ahmad ibn Tulun and al-Salih Talai, which date from the late 1290s when Sultan Lajin restored Tulunid and Fatimid buildings. A later example, now in the Museum of Islamic Art in Cairo, was made around 1360 for the mosque of Tatar al-Hijaziyya, daughter of Sultan Nasir al-Din Muhammad. This fine specimen is decorated with *mashrabiyya* panels and ebony and ivory inlays.³ Several Mamluk minbars remain in situ, including the ones made for the mosque of Sultan Shaykh, called al-Muayyid (1415–20), the *khanqa* of Barsbay (1432), and the mausoleum of Qaitbay (1472–74). The latter is a masterpiece of Mamluk woodwork and possibly one of the last examples to use ivory inlays. The minbar made for the mosque of one of Qaitbay's amirs, Qajmas al-Ishaqi, in 1480/81, employs bone instead of ivory. reflecting

current economic crises, which prohibited the use of expensive materials. A similar development was observed in the production of contemporary metalwork that was devoid of silver and gold inlays.

The minbar was the most impressive item of furniture in Mamluk buildings. Attesting to the importance given to these structures, several bear the names of their makers. The earliest signed example was commissioned in 1267/68 by Baybars I for the Mosque of Medina. This structure, made by Abu Bakr ibn Yusuf, stood for 130 years and was later replaced by Barquq. The name Muhammad ibn Ali al-Mawsili is found on the minbar in the Great Mosque of Aleppo, which contains two inscriptions: one gives the name of Qarasungur al-Jukandar, "al-Maliki al-Mansuri," while the other contains the name of Sultan Nasir al-Din Muhammad. The minbar of Qarasungur, the governor of Aleppo in 1282–90, must have been commissioned during the reign of Sultan Qalawun, whose titles included "al-Mansur," and completed after the accession of his son, that is, after 1293.

Among the early fourteenth-century woodcarvers known by their signed works are Ali ibn Makki and Abdallah Ahmad, who in 1302 made the minbar for the Great Mosque of Hama.⁶ This example, commissioned by Kitbugha, was inlaid by Abu Bakr ibn Muhammad and decorated by Ali ibn Uthman, revealing joint efforts of several artists. Other fourteenth-century artists include Muhammad al-Safadi, who made the minbar for Taynal Mosque in Tripoli in 1336; and Ahmad ibn Yusuf, whose minbar executed in 1370 for Sidi Abdallah al-Shafi Mosque (called Masjid Abu'l-Maati) in Damietta is now in the Museum of Islamic Art.⁷

The name of a fifteenth-century woodcarver named Ahmad ibn Isa (circa 1417–92) appears on two minbars: the first was made around 1446 for al-Ghambi Mosque and was later transferred to the madrasa of Barsbay; the second was produced in 1480/81 for al-Mazhariyya Madrasa. Ahmad ibn Isa is thought to have also made the minbar sent to Mecca in 1462 by Sultan Khushqadam as well as the one donated there in 1475 by Sultan Qaitbay.8 Another late-fifteenth-century woodcarver was Ali ibn Tanin, who executed a minbar for the mosque built in 1485 by Shaykh Abu Ali.9

The geometric compositions used in the panels of these minbars are also found on cupboards, doors, window shutters, and kursis. Mamluk kursis were made to hold the giant Korans of the fourteenth and fifteenth centuries. They consisted of high rectangular platforms with a v-shaped unit on the top. The reciter sat crosslegged on the platform, while the Koran was cradled in the specially designed stand. Among the most beautiful kursis are those in Sultan Hasan's complex built between 1356 and 1362 and in Sultan Qaitbay's mausoleum.

A related piece of furniture was the *rahle*, a collapsible bookstand for smaller volumes. An example in the Louvre, inlaid with ivory and different woods, bears a composite blazon consisting of a pen box in the upper field, a cup with a sword in the middle, and a second cup below. ¹⁰ The same combination of charges appears on the inlaid wood minbar in

the madrasa built in 1478 by Janem al-Bahlawan, who was formerly in the service of Sultan Jaqmaq.¹¹

A different type of furniture, also called *kursi*, is a tall hexagonal table resting on six feet. It is similar in size and shape to the famous metal example made for Sultan Nasir al-Din Muhammad in 1327. One such wood table—inlaid with ivory, bone, redwood, and ebony—was made for a madrasa completed in 1368/69 for Khwand Baraka, the mother of Shaban II. The same type of marquetry or inlay work is found in a hexagonal thirty-volume Koran box designed for the same madrasa. Another beautiful woodwork is a cupboard made for Sultan Barquq around 1390 and inlaid with ebony and ivory. It

Screens for windows and entrances, called mashrabiyyas, were a specialty of Mamluk woodworkers. These intricate grilles were constructed of individually turned and carved units fitted together to create a lattice (no. 100). They provided privacy and shade and served as decorative accents in religious and secular buildings. In religious structures, the mashrabiyya was used to partition sepulchral chambers and prayer areas and to enclose the cenotaphs. Among the earliest and most beautiful screens are those in the madrasa and mausoleum of Qalawun, dated 1284-85, in which the mashrabiyyas are used in the entrance to the tomb chamber and around the cenotaph. The best fourteenth-century examples are found in the reception hall of the palace built in 1334-39 by Amir Bashtaq, a son-in-law of Sultan Nasir al-Din Muhammad; between the court and sanctuary of the mosque built in 1339-49 by Amir Altunbugha al-Maridani, the cup-bearer and another son-in-law of the same sultan; and around the cenotaph in the complex of Sultan Hasan. Among the most interesting mashrabiyyas found in the complex of Sultan Hasan is a panel representing the interior of a mosque with a minbar and hanging lamp. 15

The fabrication of mashrabiyyas continued into the Burji period as exemplified by those used in the entrance to the tomb chambers in the khanqa of Sultan Faraj (1400–1411) and in various wakalas, sabil-kuttabs (two story-structures with a public fountain on the ground floor and a religious school above), and houses dating from the late fifteenth and early sixteenth centuries. In addition to these religious structures, almost all residential buildings had wood screens installed in cantilevered windows, which not only enabled the residents to look out without being seen but also permitted air to circulate after being cooled by containers filled with water placed on the window sills. These functional and attractive screens continued to be produced for Egyptian and Syrian houses up to the twentieth century.

Some Mamluk structures had gilded and painted wood paneling on the walls and ceilings as well as carved plaques depicting the owner's blazon (no. 101). A unique example from Dumbarton Oaks in Washington, D.C., indicates that Mamluk artists also made carved and painted panels depicting Biblical scenes for the altars of Coptic churches (no. 102). Although only one panel appears to have survived, its refined execution demonstrates the technical expertise of Mamluk

woodworkers. Its model, either another scene in carved wood or a painting, no longer exists, and this panel is the only surviving example of figural composition in woodwork.

Mamluk woodworkers also produced a series of bowls that were incised and painted in polychrome colors. The earliest example, found in 1966 at Qus together with several pieces of metalwork and glass (see nos. 28 and 49), is a large bowl, now in the Museum of Islamic Art. A fragment of a similar example was discovered at Fustat, and the Quseir excavations have unearthed a portion of a bowl and a lid. ¹⁶ The shape and decorative repertoire of these bowls resemble metalwork; the lid found at Quseir suggests that at least some had covers, recalling those made in purple glass embedded with opaque white threads. ¹⁷ Although these wood vessels have not been thoroughly studied, they are thought to have been made in the fourteenth or fifteenth century.

Another group of covered containers was executed in ivory and adorned with inscriptions and latticework. Four of these boxes, in the British Museum and Victoria and Albert Museum in London (no. 106) and formerly in the Rothschild Collection, are almost identical. They have a cylindrical body pierced with latticework and enclosed at the top and bottom by scalloped bands: an inscription panel encircles the lid or the base. 18 The Rothschild box has a flat lid with a central knob and an inscription around the edge, which bears the name of Sultan Salih, indicating that it was made between 1351 and 1354. A midfourteenth-century date is also suggested for similar boxes with lids attached by metal mounts; some have braided and beaded bands in addition to inscription and latticework. 19 The sudden appearance and short lifespan of this kind of ivory container are as puzzling as the purpose of the pierced decoration encircling the body. They may have been made as containers for some precious item, possibly an aromatic substance, such as myrrh or perfumed oil, which were fashionable at the court in the middle of the fourteenth century.

In the Mamluk period ivory was frequently used in combination with wood, inlaid either as oblong plaques or as stars and polygons (see nos. 103–5). One oblong piece is carved in two superimposed layers; the central medallion bears a cross, suggesting that it may have belonged to a panel made for a Christian establishment (no. 103). Rectangular plaques were employed in both religious and residential buildings and decorated with dense arabesques or inscriptions containing good wishes, poetic sentiments, or names of patrons (no. 105). Stars and polygons inlaid into woodwork were adorned with floral arabesques and blossoms framed by thin strips of ivory (see no. 104).²⁰ A few ivory plaques made in the second half of the thirteenth century are decorated with humans and animals, following the figural style of the age,²¹ while later examples show a predominance of floral arabesques.

Inlaid and Carved Stone

Mosaics composed of colored- and gilt-glass tesserae and panels inlaid with different stones and mother-of-pearl were among the popular forms of architectural decoration in the Bahri period. The Mamluks revived the tradition of glass mosaic, which was employed on the earliest Islamic structures, such as the Dome of the Rock in Jerusalem, dated 691, and the Great Mosque of Damascus, constructed around 711. The restoration of these buildings by Baybars I may have provided both stimulus and experience for Mamluk artists who used similar materials and techniques to reproduce the decorative themes.

The earliest example of Mamluk glass mosaic appears in the semidome of the mihrab in the mausoleum of Shajar al-Durr in Cairo, completed in 1250.²² The most notable mosaics are found in the spectacular mausoleum of Baybars I built in 1277 in Damascus. This structure is embellished with the luxurious vegetation and acanthus scrolls found in the original mosaics of the Dome of the Rock in Jerusalem and the Great Mosque of Damascus.²³ The same technique was used in the decoration of the semidome of the mihrabs in the madrasa and mausoleum of Qalawun built in Cairo a few years later.²⁴

Qalawun's complex also exhibits the first extensive use of marble paneling. These panels, applied to the mihrab and walls, utilize geometric patterns with stars and polygons, arcades filled with stars and crosses, and kufic inscriptions. ²⁵ The *maristan* or hospital originally a part of the same complex is no longer in existence, but its marble paneling and glass mosaics must have been as dazzling as those in the remaining structures.

Although marble paneling was employed throughout the Mamluk period, the renaissance of glass mosaic was rather brief. Glass-mosaic decoration appears in the semidome of the mihrab of the mosque of Ahmad ibn Tulun, which was restored in 1296 by Sultan Lajin; ²⁶ in the madrasa of Amir Taybars, called the Tabarsiyya, dated 1309/10; ²⁷ in the madrasa of Aqbugha, built between 1333/34 and 1339; ²⁸ and in the mosque of Sitt Miska, finished in 1339/40. This technique is not seen after the middle of the fourteenth century.

Marble paneling, first used in the late Ayyubid period (for example, in the mid-thirteenth-century mausoleums of Najm al-Din Ayyub and Shajar al-Durr),²⁹ became the main decorative feature of Mamluk architecture after 1300. It was used primarily to emphasize the mihrab and qibla wall, which indicates the direction of Mecca toward which the faithful pray.³⁰ Among the finest marble paneled mihrabs and qibla walls are those in the mausoleum of Salar (1303/4), the khanqa of Baybars (1306–10), the madrasa of Amir Taybars, the mosque of Amir Almas (1329/30), the mosque of Amir Altunbugha al-Maridani, the complex of Sultan Hasan, and the mosque of Sultan Shaykh. The panels in Sultan Barsbay's khanqa are remarkable in that they revive marble and mother-of-pearl decorations made 150 years earlier for the complex of Qalawun (no. 107).

The technique of marble paneling degenerated toward the end of the

Mamluk period, as seen in the mosque of Amir Qajmas al-Ishaqi in which black bitumen and red paste were applied to the white marble mihrab in an attempt to simulate colored inlays. This building also bears the name of the decorator, Abd al-Qadir al-Naqqash, who was obviously proud of his work despite its lack of expensive materials.

Marble inlays were also used in the pavements of Mamluk buildings, some of which had carved fountains in the middle of the courtyards. One of the most elaborate fountains, now in the Museum of Islamic Art, is thought to have come from the palace of Amir Bashtak.

The portals of Mamluk buildings were embellished with dedicatory inscriptions bearing the names of donors as well as their blazons, which were often painted in specific colors. The blazons represented a variety of emblems, including heraldic animals, signs of office, and epigraphy. The lion was used by Baybars I on all his structures, objects, and coins (see no. 108); the cup identified the office of the *saqi* or cup-bearer (no. 109); and the epigraphic blazon, which made its appearance in the second quarter of the fifteenth century, was exclusive to the sultans (no. 110).

Carved and painted stone plaques also served as tombstones and wall revetments. The richest group of decorative slabs was made for the madrasa of Sarghithmish, the *jamdar* or master-of-the-robes of Sultan Hasan. The panels in this building, which was completed in 1356, have unusual designs representing scrolling vines with bunches of grapes, mosque lamps, candlesticks, and, curiously, a human hand. Several detached panels with similar decorations are owned by the Museum of Islamic Art. ³¹ One depicts a mihrab with a pair of candlesticks and a hanging lamp inscribed with the Ayat al-Nur, Verse of Light (no. 111).

Among the rarer examples of Mamluk stonecarving is a pierced screen embellished with vines and grapes in the mausoleum of Salar and the remarkable stone minbar donated in 1483 by Qaitbay to the *khanqa* of Faraj.

Mamluk stonecarvers also made large marble jars with ovoid bases that originally had special stands. One of the earliest jars was made for the mosque of Tatar al-Hijaziyya.³² This example, decorated with an overall floral arabesque, is perhaps the most striking of all Mamluk jars. Water jars were commissioned by Qaitbay, whose name appears on three identical pieces (see no. 112).³³

Of all the Mamluk artistic traditions, only those of the stonecarver and woodworker have withstood the passage of time and change in taste. The Mamluk decorative vocabulary was never totally abandoned; architecture produced during the Ottoman period relied heavily on themes employed in the past. At the end of the nineteenth century there was a renewed interest in Mamluk designs both in the Near East and in the West. In Europe, Mamluk themes, popularly called "Moorish," were applied to interior decoration and accessories. The same fashion appeared in the Ottoman world, as exemplified by one of

the suites in the Şale Köşkü at the Yıldız Palace complex in İstanbul. The suite is decorated in typical fourteenth-century Mamluk style, its ceiling adorned with polygons radiating from astral units, its walls lined with cupboards embellished with mother-of-pearl.

Perhaps the greatest homage paid to the artistic tradition of the past appears in the decoration of the Rifai Mosque built in Cairo in the early part of the twentieth century. This structure, erected across the street from the complex of Sultan Hasan, clearly imitates the architectural splendor of the Bahri period.

Notes

- 1. The doors are still in situ (Creswell 1959, pl. 24c); the cenotaph has been moved to Cairo. Museum of Islamic Art. 409 (Wiet 1930, no. 30).
- 2. One such example is the minbar made for Sultan Qaitbay, now in London, Victoria and Albert Museum, 1050-1869.
- 3. Cairo. Museum of Islamic Art, 1080 (Cairo 1969.
- 4. Mayer 1958, p. 25.
- 5. Mayer 1958, p. 55.
- 6. Mayer 1958, p. 34.
- 7. Mayer 1958, pp. 32 and 58.
- 8. Mayer 1958, pp. 29-30.
- 9. Mayer 1958, p. 36.
- 10. Paris, Louvre, 4063 (Paris 1977, no. 225).
- 11. This amir's blazon is discussed in Meinecke 1972. p. 270, fig. 9:47 and pl. LXVIf.
- 12. Cairo, Museum of Islamic Art. 449 (Wiet 1930, no. 34; Cairo 1969, no. 235).
- 13. Cairo, Museum of Islamic Art, 452 (Herz 1907, fig. 32; Cairo 1969, no. 236).
- 14. Cairo, Museum of Islamic Art, 23767 (Cairo 1969, no. 233).
- 15. Cairo, Museum of Islamic Art, 526 (London 1976,
- 16. Whitcomb and Johnson 1979, pp. 215-18, figs. 25 - 26.
- 17. One of these pieces is in New York, Metropolitan Museum of Art, 26.77 (Metropolitan 1975).
 18. London, British Museum, 74 3-2 5 (Migeon 1907,
- fig. 120) and 91 6-23 8, with lid (Dalton 1909, no. 568); and Rothschild Collection (Migeon 1903, pl. 8). A fifth example was in an auction in Paris (Palais d'Orsay 1979, no. 69).
- These are in the Cathedral of Saragossa (Madrid 1893, pl. xxxxvII); Peytel Collection (Migeon 1903, pl. 7); Cathedral of Sens (mentioned in Longhurst 1927. p. 60); and London, Victoria and Albert Museum, A68-1923.
- 20. Paris, Louvre, 7161 and 7460 (Paris 1977, no. 82);
 Baltimore, Walters Art Gallery (Welch 1979, no. 25).
 21. These are extremely rare and include the panels on
- the doors of a cupboard in Cairo, Coptic Museum, and another door in a private collection
- 22. Creswell 1959, pls. 42a-b; Meinecke 1971, pl. IIIa. 23. Meinecke 1971, pp. 63–67, pls. v–vI. 24. Meinecke 1971, pls. IIa-b and IIId.

- 25. Meinecke 1971.
- 26. Creswell 1959, pl. 81b.
- 27. Creswell 1959, pls. 99a and 113b. 28. Meinecke 1973, pl. x1b.

- 29. Meinecke 1971, pls. He and Hib. 30. For the chronological sequence of Mamluk mihrabs see Creswell 1959, pls. 106–14. 31. Cairo, Museum of Islamic Art, 2785 and 12752 (Cairo
- 1969, nos. 99 and 201).
- Cairo, Museum of Islamic Art. 34 (Wiet 1930, no. 12; Cairo 1969, no. 202).
- 33. Herz 1907, p. 47.



acı

Panel with six-pointed star Wood: carved, inlaid with ivory 14th century

Height and width: $29.6 \text{ cm.} (11\frac{5}{8} \text{ in.})$ Depth: $3.0 \text{ cm.} (1\frac{1}{16} \text{ in.})$

Cairo, Museum of Islamic Art, 11719 Gift of Prince Kamal al-Din Husein, 1933

Mamluk artists, who excelled in the production of woodwork inlaid with ivory, made doors, window shutters, and cupboards as well as tables and boxes for both religious and secular buildings. Their most spectacular pieces were large minbars commissioned for mosques dedicated by sultans and amirs.

Geometric compositions were fully exploited in woodwork, as seen in this example. The design radiates from a central unit and forms a series of concentric zones filled with polygons and stars. Thin strips of ivory encircle the units and link each segment, producing an intricate maze. The units are made of ivory and two kinds of wood, the artists using natural material to create a colorful effect. The overall impression is similar to the compositions found on manuscript illumination (see nos. 3–4).

The panel is composed of six concentric zones evolving from a central six-pointed star. Six ivory polygons surround it and form another six-pointed star; encircling this unit are additional polygons that create a twelve-pointed star. The same theme is repeated with dark wood polygons in the fourth zone; enclosing it is a series of units inlaid with ivory panels. The final zone is composed of additional polygons and five-pointed stars; the corner units have ivory inlays and two outer segments of dark wood. A pair of ivory strips forms the border.

Each polygonal unit is carved with floral designs. The ivory inlays in the second zone have buds, the larger units in the fifth and sixth zones contain stylized blossoms enclosed by heart-shaped leaves.

Since this panel did not come to the Museum of Islamic Art from a known building, its original function is unknown. It must have been a part of a larger piece, such as a minbar or a door.

Unpublished

100 Grille with frame Wood: carved, turned Mid 14th century

Height: 77.7 cm. $(30\frac{5}{8} \text{ in.})$ Width: 75.3 cm. $(29\frac{5}{8} \text{ in.})$ Depth: 5.5 cm. $(2\frac{1}{8} \text{ in.})$

Cairo. Museum of Islamic Art. 2726 From Mosque of Aslam al-Silahdar (built 1344/45)

Wood grilles, called mashrabiyyas, were both decorative and functional architectural elements. They were used as partitions to separate certain areas, enclose cenotaphs in mausoleums, and screen entrances and windows. Window grilles provided privacy in residential buildings, enabling ladies to look out without being seen; they also screened out the sun, provided shade, and allowed air to enter and circulate in the chambers.

The structure of a mashrabiyya is complicated and laborious: each section is turned and carved separately, then fitted together with butt fastenings and tongue-and-groove joints to form a lattice. In one remarkable example in the Museum of Islamic Art, the latticework forms the pattern of a lamp hanging over a minbar, recreating the interior of a mosque.¹

The grille on display is enclosed by a frame composed of four sections fitted together with tongue-and-groove joints. The frame is decorated with two types of floral design: the side members have a continuous split-leaf scroll and the top and bottom show a more complicated design with lotus blossoms and buds.

The grille is constructed of sixteen intersecting diagonals, comprising cylindrical units and cubes. Each cylindrical member has two deeply cut rings while the cubes are carved with blossoms enclosed by heart-shaped leaves, similar to a motif seen on contemporary ceramics, ivory, and stone (see nos. 82, 99, and 109).

Published Herz 1906, p. 160, no. 81 Herz 1907, p. 149, no. 81 Cairo 1969, no. 230.

Notes
1. Cairo, Museum of Islamic Art, 526 (London 1976, no. 455)





Plaque with epigraphic blazon

Wood: carved Early 16th century

Height: 40.7 cm. (16 in.) Width: 38.8 cm. ($15\frac{1}{4}$ in.) Depth: 2.0 cm. ($\frac{13}{16}$ in.)

Cairo, Museum of Islamic Art. 11754 Gift of Prince Kamal al-Din Husein, 1933

Inscriptions

السلطان الملك الاشرف قانصوه الغورى * عز نصره

The sultan al-Malik al-Ashraf Qansuh al-Ghuri. may his victory be glorious.

The central medallion of the plaque contains the epigraphic blazon of Sultan Qansuh al-Ghuri (1501–16) written in three fields: the titles of the sultan appear in the center, his name is given above, and the popular benediction is placed below. Surrounding the medallion is a band that forms loops at the center of each side. The corners of the plaque are filled with symmetrical floral scrolls composed of stylized lotus blossoms, buds, and split leaves. A thin frame encloses the panel.

The band with loops encircling the round blazon recalls decorative features of manuscript illumination and metalwork (see nos. 9, 35, and 37–38). Abstracting a single unit from a larger composition, the woodcarver has followed the artistic repertoire of the age.

Sultan Qansuh al-Ghuri commissioned a great number of structures and built a commercial and residential quarter in Cairo. This plaque may have come from one of the buildings in that quarter, called the Ghuriyya. Although there are no traces of paint on the plaque, it was most likely painted in the manner of the stone roundel that also bears his blazon (no. 110).

Unpublished

102

Plaque representing the Sacrifice of Isaac

Wood: carved; with remains of gold leaf on gesso base 14th century

 $\begin{array}{l} {\rm Height: 19.9~cm.~(7^{13}_{16}~in.)} \\ {\rm Width: 13.7~cm.~(5^{3}_{8}~in.)} \\ {\rm Depth: 2.3~cm.~(7^{2}_{8}~in.)} \end{array}$

Washington, D.C., Dumbarton Oaks, 41.7 Purchased 1941

Ex-Kevorkian Collection

Among the clientele of Mamluk woodworkers were members of the Christian communities of Egypt and Syria, who commissioned objects and architectural decoration for their churches. The decorative themes employed in the churches can hardly be distinguished from those found in



mosques and madrasas as they both rely on the floral and geometric motifs characteristic of the artistic style of the period. Only when an object contains a cross or a Biblical scene can it be identified as having been made for a Christian community (see nos. 44–45, 61, and 103).

The plaque owned by Dumbarton Oaks depicts the Sacrifice of Isaac, a well-known Old Testament theme. The piece is unique in that no other carved wood example with figural composition is known to exist. Said to have come from the Church of Abu Sarga in Cairo. It was most likely a part of an altar screen that contained representations of a series of Biblical stories. Three mortises on the sides and nail holes on the upper and lower edges indicate that it was fitted into a larger panel.

The plaque is deeply carved in two planes: the primary elements of the composition (Abraham. Isaac, and the altar; the angel, tree, and ram; the cloud and hand of God) are executed in high relief and placed on a floral arabesque ground that is carved in low relief. The large palmette in the upper center moves from the background into the foreground, thereby linking the two planes. Portions of the design were originally covered with gesso and gilded; remains of gold leaf can be seen on the altar. Abraham's halo and robe, the ram, and the angel.

The scene depicts the moment when Abraham hears the voice of an angel, just as he is about to sacrifice his son Isaac. Abraham stands in the center of the composition. He holds a knife in his right hand and turns back to look at the winged angel who gestures toward the ram caught in a tree. On the upper right is a cloud formation with the hand of God blessing the event.

The bearded patriarch has an oval halo around his head. He wears an elaborate headdress with a tall crown wrapped in cloth that hangs loosely at the back, a robe tied by a long sash, and high boots. Isaac, attired in only a loin cloth, lies on his back on the altar with the knife held at his throat.

The background is filled with a large floral scroll composed of split leaves, lotus buds, blossoms, and an oversize palmette. The plaque is enclosed by several frames, the outer three of which are adorned with chevron motifs.

Although there are no comparable examples, a number of decorative features found in the plaque have parallels in fourteenth-century Mamluk art. The moire or watered design used in Abraham's robe and the beaded strips at the hem and upper arm (recalling tiraz or inscription bands) are frequently encountered in manuscript illustration, as is the tree with articulated trunk and budshaped branches. Abraham appears to be stepping out of the picture plane with one foot placed over the frame, a feature seen in fourteenth-century paintings. The altar with trefoil opening at the base resembles contemporary hexagonal wood or metal tables, and the floral scroll follows the style of the according

The peculiar headdress of the patriarch is not found in Mamluk art: it is, however, represented in several sixteenth-century Ottoman manuscript illustrations portraying Arabs or Egyptians.² This headdress may be an exaggerated version of the traditional garments of the Coptic clergy used by the artist to identify the central figure as one of the founders of the church. In the Mamluk world the garments worn by Christians were similar to those used by Muslims: the shape of their turbans was much the same, with a cloth wound around a central cap.³

This scene is a visual translation of a Biblical passage, the "ram [is] caught in a thicket by his horns" (Genesis 22:13). The representation of Abraham in the act of sacrificing Isaac while holding a knife to his throat is peculiar to the Near East and often appears in Islamic manuscripts illustrating the history of the ancient prophets.

Published Brooklyn 1941, no. 78 and fig. 78. Dumbarton Oaks 1946, no. 165 Dayton 1953, no. 71 Dumbarton Oaks 1955, no. 254 Dumbarton Oaks 1967, no. 299.

Notes

- 1. The Church of Abu Sarga (Saint Sergius) is one of the oldest in Cairo
- For example, in the Nüleymanname dated 1558, in İstanbul. Topkapı Palace Muscum, n. 1517, fol. 56a. The same headdress is used for Arabs in a circa 1580 painting in Washington, D.C., Freer Gallery of Art. 29,75 (Atıl 1973a, no. 8)
- 3. Mayer 1952, pp. 65-68.



Plaque with cross

Ivory: carved, inlaid into wood

14th century

 $\begin{array}{l} \mbox{Height: } 8.6 \ \mbox{cm.} \ (3\frac{3}{8} \ \mbox{in.}) \\ \mbox{Width: } 35.0 \ \mbox{cm.} \ (13\frac{3}{4} \ \mbox{in.}) \\ \mbox{Depth: } 1.5 \ \mbox{cm.} \ (\frac{5}{8} \ \mbox{in.}) \end{array}$

Cairo, Museum of Islamic Art, 5620 Gift of Muhammad Mahmud Khalil, 1919

This delicately carved ivory piece has been inlaid into a wood plaque: a thin strip of ivory is placed around the frame. The bottom edge of the plaque has a rail, while the right side contains a tenon, indicating that it was originally inserted into a larger panel.

In the center of the plaque, placed over a floral scroll, is a medallion bearing a cross with trefoil arms. The units on either side also contain floral motifs conceived as superimposed scrolls with overlapping elements. Each unit has a pair of cartouches, roughly shaped as a trefoil, intermingled with scrolling vines bearing rounded buds and split leaves.

This piece might have been attached to a door, cupboard, screen, or altar made for one of the Coptic churches in Egypt. The cross appears on a small glass flask (no. 61) most likely made for pilgrims visiting the Holy Land. Crosses are also found on incised Mamluk pottery and were used either as a decorative element or a blazon, the meaning of which is uncertain.

Published M. H. Zaki 1956, no. 435 and fig. 435.

Notes 1. Mayer 1933, p. 19 and pl. XIIb, nos. 8-11



[11] Panel with six plaques Dory: carved, inlaid into wood Mid 15th century

Polygons Average height: 13.4 cm. (51 in.) Average width: 8.3 cm. (3¼ in.) Depth: 1.5 cm. (½ in.) Star Height 12.2 cm. (4 j in.) Width 28.3 cm. (11 in in.) Depth 1.5 cm. (2 in.)

New York. The Metropolitan Museum of Art. 07.236.26, 07.236.28 31, and 07.236.46 Purchased, The Rogers Fund, 1907

The plaques included in this panel were originally a part of a larger composition and may have been used to decorate a door or minbar. The composition of Mamluk doors in the Museum of Islamic Art, as well as those in situ, is based on medallions with stars and polygons in the center. half-medallions at the sides, and quarter-medallions in the corners. The spectacular minbar of Sultan Qaitbay, now in the Victoria and Albert. has a similar composition.² The side panels of this piece, which stands over $7.32~\mathrm{meters}$ (24 feet), are adorned with medallions containing sixteen-pointed stars. The style of carving and motifs employed are similar to the

Metropolitan panels, which must have been produced about the same time. The central motif, half of a sixteen-pointed star with seven small polygons placed around it, is inlaid into a wood plaque and framed by a thin strip of ivery. A floral scroll with split leaves and lobed spiked buds fills the half-star. while the same lobed bud appears in the encircling polygons. The five ivory plaques in the surrounding zone are also inlaid into wood and enclosed by thin strips of ivory. The decoration of these units consists of a beaded cartouche terminating in a bud, superimposed on a floral scroll of split leaves, similar to the layout on a fourteenth-century piece discussed previously (no. 103).

Metropolitic (terr plans





105 Plaque with inscriptions Ivory: carved, inlaid into wood Circa 1470

Height: 9.2 cm. $(3\frac{5}{2} \text{ in.})$ Width: 33.8 cm. $(13\frac{5}{16} \text{ in.})$ Depth: 1.5 cm. $(\frac{5}{8} \text{ in.})$

Cairo, Museum of Islamic Art. 2334 From Madrasa of Qaitbay

Inscriptions

مهلانا السلطان الملك الاشرف قايتباي عز نصره

[Our] master, the sultan al-Malik al-Ashraf Qaitbay, may his victory be glorious.

This ivory plaque is inlaid into a dark wood panel enclosed by a thin strip of ivory and framed by a lighter wood. The main decoration consists of a bold inscription that contains the name of the patron. Sultan Qaitbay. The background is filled with sprays of lobed and spiked buds and the characteristic split leaves with pronounced veins (see also nos. 34–35 and 104).

Sultan Qaitbay, whose patronage of the arts is represented by several objects, including a manuscript (no. 9), two pieces of metalwork (nos. 34–35), and a marble jar (no. 112), was also one of the most enthusiastic builders. He commissioned a number of sabils or fountains, gates, houses, mosques, sabil-kultabs (schools with fountains), and wakalas (inns).

This plaque came to the museum from one of the mosque-madrasas built by Qaitbay in Cairo. It was most likely attached to a larger unit affixed to a door, window, or minbar.

Published Wiet 1930, no. 39 (third panel). Cairo 1969, no. 41. London 1976, no. 155. 106 Cylindrical box Ivory: carved, pierced Mid 14th century

Height: $9.5 \text{ cm.} (3\frac{3}{4} \text{ in.})$ Diameter: $14.5 \text{ cm.} (5\frac{11}{16} \text{ in.})$

London, Victoria and Albert Museum, 4139–1856 Purchased 1856 Ex-Rhode-Hawkins Collection

Inscriptions Band on base

> ابشر فقد نلت ما تريدن من اعدائك ... وما ظفروا بالذي ارادوا بل يفعل الله ما يريد ابشر فقد نلت ... قد حزي بالذي تحتاره القدر ويساعدك على الايام ان تعدل العز والنصر والاقبال والظفر

Be of good cheer for you will obtain what you will of your enemies . . . and they will not get what they desire, rather God will do that which He wills; be of good cheer for you will obtain . . . and fortune will go in the way that you choose and will help you against the vicissitudes of time by glory and victory and prosperity and good fortune.

Although ivory was used in abundance to decorate woodwork, it was rarely used for objects in the round. There is a remarkable group of cylindrical boxes that appears to have been made in Cairo in the fourteenth century. One of them, formerly in the Rothschild Collection, bears an inscription giving the name and titles of Sultan Salih, who reigned between 1351 and 1354. Sultan Salih's box is almost identical to the one owned by the Victoria and Albert, and both pieces must have been produced about the same time.







The Victoria and Albert box has an inscription band encircling the base; it is executed in low relief on a ground filled with black bitumen and adorned with tiny roundels. The body of the box is pierced with an overall diaper pattern composed of quatrefoils radiating from roundels linked by diamonds and other roundels with four minute trefoils. A series of lobed scallops encloses the upper and lower edges. The top is recessed and originally contained a flat lid with a central knob, similar to the box made for Sultan Salih. In Sultan Salih's piece, an inscription bearing the name of the patron appears around the lid. It is unfortunate that the lid is missing from the Victoria and Albert box, since it, too, may have contained the name of the owner.

Several other cylindrical boxes belong to this group. One, also in the Victoria and Albert, is a small container with pierced decoration, its lid attached by copper mounts.2 Two others, in the British Museum, are almost identical to the piece here discussed; one has the inscription band on the top of the body, the other is inscribed on the lid. Another box, in the Cathedral of Saragossa, is also pierced and inscribed and has enameled- and gilt-silver mounts.4 A fifth, formerly in the Peytel Collection, is carved and not pierced, its lid is attached by metal mounts; in addition to the diaper pattern and inscription panels, it is decorated with bands of roundels and strapwork.5 Another piece is said to be in the Cathedral of Sens. 6 A seventh example, resembling the Rothschild and Victoria and Albert boxes, was included in a Paris auction.7 These boxes, dated between the twelfth and fourteenth centuries. have been assigned to Spain as well as Egypt. The only documentary evidence pointing to fourteenth-century Egypt is the piece bearing Sultan Salih's name.

In the fourteenth century there appears to have been a revival throughout the Mediterranean in ivory carving. The Mamluks supplied European markets with ivory from Africa and its popularity among Westerners must have stimulated the production of ivory containers by local artists.

Published Longhurst 1927, p. 60 and pl. XL

- 1. Migeon 1903, pl. 8.
- London, Victoria and Albert Museum, A68-1923.
 London, British Museum, 74-3-2-5 (Migeon 1907, fig. 120) and 91 6-23 8, with lid (Dalton 1909, no. 568).
- Madrid 1893, pl. xxxxvn.
 Migeon 1903, pl. 7.

- Longhurst 1927, p. 60.
 Palais d'Orsay 1979, no. 69.

107 Inlaid panel White, yellow, red, black marble with mother-ofpearl; set into plaster Early 15th century

 $\begin{array}{l} \mbox{Height: 29.5 cm. (11 \c km.)} \\ \mbox{Width: 104.8 cm. (41 \c km.)} \\ \mbox{Depth: 5.0 cm. (2 in.)} \end{array}$

Cairo, Museum of Islamic Art, 3075 Gift of B. Naggar, 1903



Panels with different colored marble inlays and mother-of-pearl were employed in early Mamluk buildings and appear in full glory in the complex of Sultan Qalawun, built in 1284–85. The tradition continued into the fifteenth century with examples seen in the mausoleum in the *khanqa* of Barsbay, built in 1432 in the northern cemetery of Cairo. The mihrab of this structure has panels adorned with arches, identical to the one from the Museum of Islamic Art.¹

The panel is composed of four lancet arches with white, black, yellow, and red voussoirs supported by square piers that have broad white bands enclosing a red field with a pair of yellow roundels encircled with white and black bands. The zones between the arches are filled with overall geometric patterns composed of crosses

and eight-pointed stars, recalling luster-painted tile revetments produced in Iran during the late thirteenth and early fourteenth centuries. These units are filled with polychrome marble inlays and outlined with mother-of-pearl, which forms a continuous strip, looping around the stars and crosses. The spandrels are filled with hexagons and six-pointed stars that are further divided into triangles and smaller stars. Mother-of-pearl is also used in the border of the spandrels and in the triangular units.

The sheen of the polished marble and the shimmer of the mother-of-pearl create a sumptuous effect. One can imagine how the different portions of the design were highlighted when sun rays hit the panel or when the building was lit by flickering lamps.

Published Herz 1906, p. 57, no. 23 Herz 1907, p. 54, no. 23 Wiet 1930, no. 15, Mostafa 1961, p. 34 and fig. 7

Votes

 This panel was identified as belonging to the mausoleum of Barsbay by Leonor Fernandez who has made an extensive study of the khanqu in her doctoral dissertation. Princeton University, 1980.





Plaque with lion blazon

Stone: carved, with traces of red paint

Late 13th century

Height: 37.5 cm. $(14\frac{13}{16}$ in.) Width: 40.0 cm. (153 in.) Depth: 12.7 cm. (5 in.)

Cairo, Museum of Islamic Art. 3796 Purchased 1911

The stone plaque represents a lion facing left with right paw raised: its mane is curled and its knotted tail forms an s-shaped curve above the body. The carving of the plaque is crisp and precise: deeply cut lines accentuate the facial features and the stylized muscles and ribs of the lion. On the animal's rump is a seven-petaled floral motif. A heraldic appearance is created by the tension evoked by the artist's stylized representation of the lion in arrested movement.

Touches of red pigment remaining inside the claws and recesses of the floral design on the rump indicate that the animal was once covered with paint. The slab is of an irregular shape, and the background appears unfinished; it is possible that the lion was to be freestanding and used as an

architectural boss

The lion is identified with Baybars I (1260-77) and was his heraldic blazon (see no. 46). It was used on his coins and numerous castles. fortifications, khans, bridges, and other structures he built in Anatolia. Egypt. Lebanon. Palestine. and Syria.1 The same blazon was adapted by his son and heir. Baraka Khan (1277-79).

Published Cairo 1952, p. 33 Cairo 1969, no. 203 and fig. 35.

Notes
1. Meinecke 1972, pp. 217–19, pl. l.ii.

Plaque with cup blazon

Stone: carved, painted in red, white, green

Early 14th century

Height and width: $46.0 \text{ cm.} (18\frac{1}{8} \text{ in.})$

Depth: $15.0 \text{ cm.} (5\frac{7}{8} \text{ in.})$

Cairo. Museum of Islamic Art. 1640 From an old house (Waqf al-Mahrouk) in Cairo

This square plaque contains a circular shield representing a bar above a stemmed cup, both of which are painted in red and framed by a ring. The wide border placed around the shield is composed of twelve trefoils surrounded by heartshaped leaves with additional trefoils in the interstices. This border, originally painted in white, is enclosed by floral motifs. The plaque appears to have been covered at a later date with green overpainting.

The cup was used as the sign for the office of the saqi (cup-bearer) and is found on several objects (see nos. 15-16, 27-28, 96, and 125). The heartshaped leaves are also encountered on a number of fourteenth-century pieces (see nos. 82 and 99-100).

According to museum records, this plaque came from an old house in Cairo, which may have been the residence of a cup-bearer. Since the house is not dated and the plaque is not inscribed with the name or title of the patron, it has not been possible to identify the owner

A candlestick made around 1290 (nos. 15–16) for Amir Kitbugha contains an identical blazon with a red bar above a red cup. Although it is tempting to assign the stone plaque to Kitbugha. there is no evidence that he sponsored any religious or secular buildings.

Published

Herz 1906, p. 48, nos. 119-20.

Herz 1907, p. 46, nos. 119~20, Cairo 1969, no. 204.

110

Roundel with epigraphic blazon Stone: carved, with traces of brown paint

Early 16th century

Diameter: 49.5 cm. (19½ in.) Depth: 5.0 cm. (2 in.)

Cairo, Museum of Islamic Art, 6731 From Comité de Conservation des Monuments de l'Art Arabe, 1924

Inscriptions

عز لمولانا السلطان الملك الاشرف * قانصوه الغوري * عز نصره

Glory to our master, the sultan al-Malik al-Ashraf Qansuh al-Ghuri, may his victory be glorious.

The epigraphic blazon of Sultan Qansuh al-Ghuri was a medallion divided into three fields; the center contained the titles of the sultan, the upper panel displayed his name, and the lower panel had a benediction. The blazon was used on all his buildings and objects (see no. 101). Its division and wording are similar to the blazon of Sultan Qaitbay (see nos. 34-35).

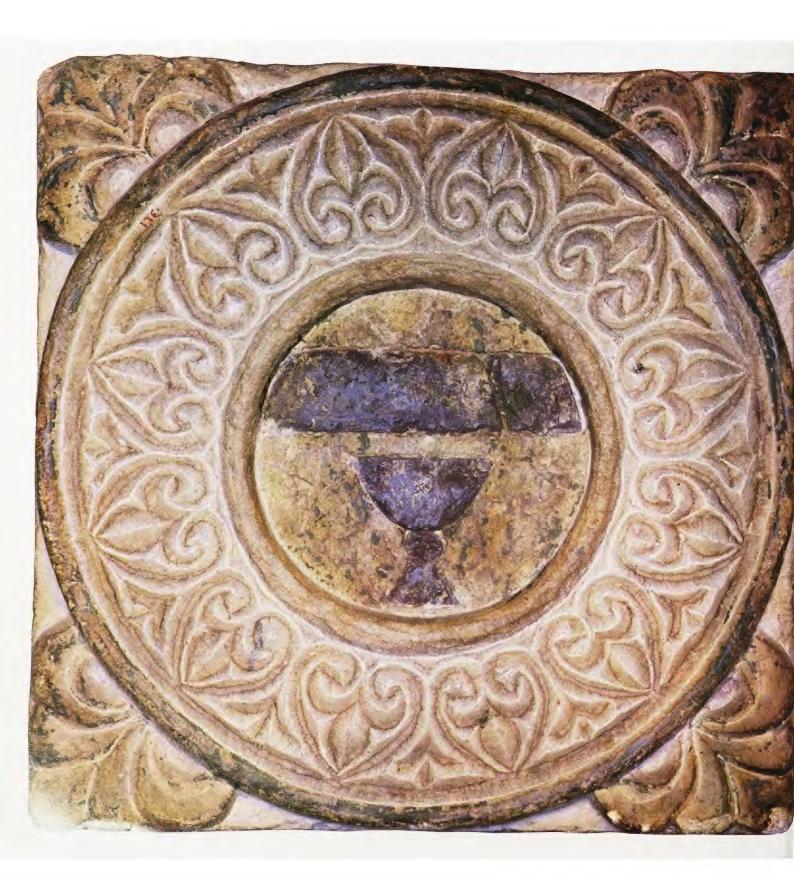
The roundel has a wide frame and two horizontal bands defining the three registers. Traces of brown pigment in the background of the lower register suggest that the piece was once painted. It is possible that the letters, which stand in low relief, were painted in a contrasting color or covered with gilt, which has since disappeared.

The Museum of Islamic Art owns several epigraphic blazons of Qansuh al-Ghuri, including a roundel from that portion of the aqueduct built by him in 1506-8.1 The provenance of this example is not recorded. Qansuh al-Ghuri constructed a great many edifices, and it must have come from one of his structures that was later demolished.

Sultan Qansuh al-Ghuri's epigraphic blazon is still in situ in a number of buildings in Cairo and can be seen in his mausoleum, which was completed in 1503-4.

Published Wiet 1971, no. 132.

1. Herz 1907, no. 100.







Inscriptions On lamp:

الله نور السموات والارضى

God is the light of the heavens and the earth [XXIV:35].

Museum records indicate that this slab came from the Badriyya Madrasa¹ and was deposited by the Comité de Conservation des Monuments de l'Art Arabe in 1882 to the eastern court of the mosque of al-Hakim, which housed the first collections of the Museum of Islamic Art in Cairo. When the collection was moved to its present building in 1899, the objects were registered and catalogued.

The rectangular plaque has a foliated crown; in the center is a large lamp, suspended by thick ropes from the apex and flanked by two candlesticks with tapered candles. The neck and foot of the lamp are adorned with lancet leaves and braids, the body bears an inscription panel inserted between floral units enclosed by beaded bands. Although this type of decoration does not occur in existing lamps, the shape and inscription of this representation are characteristic (see nos. 52–53). The candlesticks are embellished with floral scrolls and diamond-shaped motifs. They reproduce the shape found in metalwork, disregarding traditional decoration of inlaid or engraved brasses (see nos. 10, 15–16, 30, and 34).

The background of the plaque is filled with a floral scroll composed of bunches of grapes, heart-shaped buds, and split leaves, with a pair of stylized lotus blossoms below the lamp. Traces of red are found behind the inscription panel on the lamp, and brown paint or stain is detectable in the background. Similar to other examples of carved stone, this plaque must have been completely covered with polychrome paints.

Contemporary slabs decorated with bunches of grapes are found in the madrasa of Sarghithmish, which was completed in 1356.² The Museum of Islamic Art also has a tombstone representing a mosque lamp flanked by candlesticks dating from this period.³

Published Herz 1906, p. 44, no. 41.

Herz 1907, p. 42, no. 41. Wiet 1930, no. 9. M. H. Zaki 1956, no. 792 and fig. 792.

Mostafa 1958, no. 48.

Notes

3. Cairo. Museum of Islamic Art. 2988 (Cairo 1969, no. 199).

112 Jar Marble: carved Circa 1470–90

Height: 61.0 cm. (24 in.)

Diameter of rim: 26.7 cm. $(10\frac{9}{16} \text{ in.})$

Cairo, Museum of Islamic Art, 125 From Fountain of Sultan Qaitbay

Inscriptions
Three panels on rim:

اوقف هذا الزير على هذا السبيل المبارك مولانا السلطان الملك الاشرف.» ابو النصر قابتباى عز نصره بمحمد وآله

This sublime jar was dedicated to the blessed fountain [by our] master, the sultan al-Malik al-Ashraf Abu'l-Nasir Qaitbay, may his victory be glorious through [the Prophet] Muhammad and his descendants.

Among the most beautiful objects produced in the Mamluk period are a series of marble jars used to provide water for the thirsty. The dedication of fountains and water troughs was considered a noble and charitable act. Throughout the history of Islam, structures ranging from simple drinking fountains to larger complexes were donated by pious and wealthy citizens. The Mamluks endowed sabils, structures where water was provided to the public, as well as sabil-kuttabs in which fountains were built in combination with theological institutes. Sultan Qaitbay (1468–96) is known to have sponsored during his reign at least four sabils and two sabil-kuttabs. Water jars were commissioned for these fountains as well as for residential and public buildings.

The Museum of Islamic Art owns a number of marble jars that were made for sabils. mosques, and madrasas. One of the renowned examples is a large piece (86 cm. or $33\frac{7}{8}$ in. high) adorned with a floral scroll and a frieze of fish; it came from the mosque built in 1360 by Tatar al-Hijaziyya, daughter of Sultan Nasir al-Din Muhammad. This museum also has several jars bearing Sultan Qaitbay's waqf (endowment), including this example.

Qaitbay's jar has a simple but elegant ovoid shape with three straphandles placed on the shoulder. The handles are pierced with a broad braid. An inscription band, carved in low relief, appears between the handles. One of the handles has been broken and water stains appear on the lower half of the body.

These jars had special stands, some of which resembled turtles.² Many examples in the Museum of Islamic Art have been placed on Fatimid stands, which were basically water troughs designed to serve a different function.

Published

Fundament Herz 1902, no. 51. Herz 1906, p. 50. nos. 135–37. Herz 1907, p. 48. nos. 135–37. Wiet 1929a. no. 497. Wiet 1971, no. 128 and pl. XXXII.

Notes

1, Cairo, Museum of Islamic Art. 34 (Wiet 1930, no. 12; Cairo 1969, no. 202) 2, Herz 1907, p. 47.

This madrasa, built in the thirteenth century, no longer exists.
 Cairo, Museum of Islamic Art, 2785; a second panel is in situ in the madrasa (Cairo 1969, no. 201). Another panel, dating from the thirteenth century, decorated with grapes is in Cairo, Museum of Islamic Art, 12752 (Cairo 1969, no. 195).



TEXTILES AND RUGS



TEXTILES AND RUGS

The history and development of Mamluk textiles have not yet been properly studied despite the wealth of extant materials woven in silk, printed on linen and cotton, embroidered, and appliquéd. Of all Mamluk textiles, silks are the most exquisite, lavishly executed in brilliant colors and metallic threads. Their decoration is characteristic of Mamluk art, consisting of inscriptions, floral decorations, animal figures, and motifs derived from heraldic emblems.

The most difficult task in the study of Mamluk silks is to identify pieces made in Egypt and Syria and to differentiate these from Chinese textiles produced for the sultans and from Italian and Spanish imitations of Mamluk fabrics. Chinese silks woven for the Mamluk court employed Arabic inscriptions and heraldic motifs similar to those manufactured by local artists. Exported to the West, Mamluk silks were in great demand in the Mediterranean states. They were used as burial shrouds by European royalty, sewn into chasubles and copes for church services, worn by representations of the Virgin, saints, and patriarchs in paintings and altarpieces, and inspired the textile industries of Granada, Lucca, and Venice.

The study of carpets presents a totally different problem. The Mamluk rug makes a sudden appearance at the end of the fifteenth century, immaculately woven in shimmering wools with geometric designs. In contrast to textiles, much has been written about Mamluk rugs, and yet, their origin and evolution are still mysterious and far from being resolved.

Textiles

Woven silks embellished with rich patterns and accentuated with silver and gold thread were highly valued within the Mamluk world; they decorated chambers, were made into robes worn by the court, and were presented as official gifts. The presentation of the khila or robe of honor was an Islamic custom in which garments made of expensive fabrics were exchanged as gifts among the sultans or given by the rulers to their amirs as official notification of promotion. Sometimes the sultan would give a complete outfit, including weapons and horsetrappings. Higher officials also practiced this custom and presented similar robes to members of their staff when they advanced in rank. Although historical texts frequently mention ceremonial presentations of the khila, there are no extant examples.

In fact, extremely few Mamluk garments have survived. The Victoria and Albert Museum in London owns a number of simple tunics, pants, and vests made for youngsters. An elaborate piece, in Cairo, is a child's shirt adorned with foliate medallions and crescents bearing the words al-sultan and al-kamil (the perfect). Another small shirt, in Berlin, is decorated with addorsed griffins enclosed by medallions and crescents set within an ogival unit; this example is inscribed al-sultan and al-alim (the learned). The most important garment is a man's robe or overcoat made of heavy yellow silk and lined with linen, found in 1966 at Jabal Adda in Upper Egypt. The

pattern of the silk is made of stars enclosing eight-petaled rosettes and running animals and crosses with lobed medallions and addorsed birds.

In contrast, there exist many caps made of various fabrics, some of which were quilted. Most of these hats are constructed of triangular sections stitched together to form the crown and have a wide band at the rim (no. 17). A few examples have embroidered bands at the rim and frontal panels that extend to the crown.

Silk fabrics were also used on shoes, few of which have survived. One rare piece is a child's sandal, its fabric strap decorated with a crescent bearing the word al-sultan.⁴

Mamluk silks sewn into church vestments are more numerous and have remained remarkably well preserved through the ages. The largest collection, in the Church of the Virgin Mary (Marienkirche) in Danzig (now Gdánsk), Poland, includes nine chasubles made of striped silks with inscriptions (al-sultan and al-alim) and lotus blossoms woven in brilliant colors and metallic thread.⁵ A striking fabric decorated with an ogival pattern, now in the Victoria and Albert, was sewn into a chasuble in Spain.⁶ An even more elaborate piece (no. 116) was made as a mantle for a sculpture representing the Virgin.

Mamluk silks must have been available in Central Asia and China to serve as models for Yüan dynasty textiles produced for the Mamluk court. Fourteenth-century Yüan dynasty brocades show a blend of Chinese and Islamic motifs.7 The Chinese elements include the phoenix, ch'i-lin (a fantastic creature), dragon, and Dogs of Fu (Buddhist mythical lions), as well as ducks and turtles. As in Mamluk silks, the pattern is usually striped and includes bands inscribed with popular Arabic phrases, such as "glory and victory and perpetuity," "the sultan, the learned," and the characteristic Mamluk benediction, "glory to our master, the sultan." Inscribed bands are often interrupted by medallions. Inscriptions are at times written in a circular formation enclosed by medallions or palmettes. Both arrangements have parallels in many Mamluk objects. The most striking technical feature of Yüan dynasty silks is the use of gilded leather strips, which were employed on the earliest extant Chinese brocades dating from the Sung period

Yüan dynasty silks with Arabic inscriptions were also made into chasubles in the West. Four chasubles and dalmatics are in the Cathedral of Regensburg (also called Ratisbon), while others are in Brunswick and Kulm (now Chelmno). A dalmatic in Regensburg has vertical stripes decorated with predators and prey, ducks and fish; wide bands adorned either with lotus blossoms, diaper patterns, and crescents or a pair of Dogs of Fu and a rosette, in the center of which is the name of the weaver written in Arabic: "the work of master Abd al-Aziz." A fragment of this fabric, containing a rosette with the same inscription, is in the Victoria and Albert. One may hypothesize that Abd al-Aziz, the weaver, was a Central Asian Muslim called upon to produce silks for export to the Near East. Obviously, Asian merchants

TEXTILES AND RUGS

were fully aware of the tastes of the Mamluk court and were enterprising enough to compete with local textile industries in Egypt and Syria.

One of these Chinese textiles is decorated with medallions enclosing addorsed birds (most likely parrots), their wings inscribed with the characteristic Mamluk benediction written in a circular formation: "glory to our master, the sultan, al-Malik, the just, the learned, Nasir al-Din." The inscription indicates that the piece was made for Sultan Nasir al-Din Muhammad (1293–1341, with interruption). A frequently quoted passage from Abu'l-Fida states that camels laden with 700 silks bearing the sultan's name were presented by Abu Said to Nasir al-Din Muhammad in 1323 when peace was concluded between the Ilkhanids and the Mamluks. It is possible that the Chinese fabric described above was part of this shipment.

Nasir al-Din Muhammad's titles, al-Malik al-Nasir, also appear on a number of locally made silks, including a striped fabric (no. 113). This piece is adorned with animals and inscriptions with phrases similar to the example with addorsed parrots made in China. Another striped silk has oval cartouches with the same words as well as medallions enclosing double-headed eagles and addorsed felines. ¹² A more extensive inscription appears on a fragmentary cap; it is written in a circular formation and gives the sultan's full name and titles: "al-Malik al-Nasir Nasir al-Dunya wa'l-Din Muhammad ibn al-Sultan al-Malik al-Mansur Qalawun." ¹³ Yet another silk fragment bears an ogival pattern the units of which are filled either with pomegranates, lotus blossoms, and peonies or addorsed *ch'i-lins*; inscriptions appear in the bands forming the ogival units. ¹⁴

In addition to striped and ogival silks, imperial Mamluk titles appear on fabrics depicting undulating vines and large blossoms. This design was based on Yüan silks, examples of which were excavated at Fustat and have Chinese characters in the flowers. ¹⁵ In the Mamluk copies, Arabic inscriptions, placed in the center of the blossoms, contain the phrases, "glory to our master, the sultan al-Malik al-Nasir," and "Nasir al-Dunya wa'l-Din Muhammad [ibn] Qalawun." Fragments of this fabric, found at Jabal Drunka and al-Azam near Asyut in Upper Egypt, are now in Berlin, Leningrad, London, and Cairo. ¹⁶

Woven silks inscribed with the names or titles of sultans help determine the chronological and typological development of Mamluk textiles. The earliest datable piece is decorated with palmettes framed by inscriptions bearing the titles "al-Malik al-Mansur," which suggests that it may have been made for Sultan Qalawun (1279–90). The next example is a gold brocade with the name and titles of Sultan Khalil (1290–93). Another striped silk, decorated with animals running in foliage, lotus sprays, and ducks, has "al-Malik al-Ashraf," which may also refer to the same sultan. The textiles dedicated to Sultan Nasir al-Din Muhammad discussed earlier display a variety of decorative patterns and themes.

The most prominent early Mamluk textile pattern contained vertical or horizontal stripes filled with inscriptions, animals, and floral motifs, often accentuated by stars, rosettes, and crescents (nos. 113–14, 117, and 119). The provenance of these striped silks is not determined, but a clue to one of the production centers is provided by an uncut and unworn sheet of striped silk excavated in 1966 at Jabal Adda. This large fabric $(3.45\times1.52~{\rm meters},11\frac{1}{2}\times5~{\rm feet})$ is woven in green, pink, brown, white, and gold and is decorated with stripes and bands depicting predators and prey (lions and hares or gazelles), flying birds, and inscriptions bestowing "glory and victory and long life." One edge of the cloth is stamped "al-Asyuti," which suggests that it was made at Asyut, a town in Upper Egypt famous for its linen and silk manufacture.

Other late thirteenth- and early fourteenth-century silks are decorated with medallions, zigzag patterns, latticework, addorsed birds, griffins, running animals, and floral motifs interspersed with inscriptions. The ogival pattern, which appeared in the early fourteenth century, soon became the most popular textile design. The field was at times densely filled with floral motifs camouflaging the ogival units (no. 116) or more spaciously constructed with the ogee distinctly represented (nos. 115 and 118). Certain floral motifs, such as lotus and peony scrolls, reflect the impact of Chinese designs noted on contemporary manuscript illumination and metalwork. Floral motifs gradually replaced figural compositions, following the development observed in other Mamluk arts.

Among the latest datable pieces of Mamluk textiles are two fragments in the Victoria and Albert decorated with quatrefoils and medallions and inscribed with the benediction "honor to al-Ashraf." The same collection has gold brocade with lotus blossoms, palmettes, and lobed medallions bearing the name "al-Ashraf." These fabrics, assigned to the end of the fifteenth century, may have been made for Sultan Qaitbay (1468–96), whose reign titles included al-Ashraf.

The inscriptions indicate that these luxurious silks were made for the court. Some of them must have been mass-produced without specific patrons in mind and contain the ambiguous dedication al-sultan al-malik, which applied to virtually all Mamluk rulers.

Imperial titles were also embroidered on linen. The titles of Nasir al-Din Muhammad, Ismail (1342–45), and Barsbay (1422–38) are found on fragmentary pieces.²³ These may have been used as *tiraz* (inscription) bands on the edges of turbans or on the upper sleeves of garments (see no. II, fig. 5). Embroidered strips also embellished scarves, kerchiefs, and sashes as well as turban wraps. A few of the designs include blazons and imperial symbols (such as a cup or crescent),²⁴ while the majority have geometric and floral motifs (no. 123). Fragments with embroidery have been found at several sites in Upper Egypt and in recent excavations at Quseir.²⁵

Mamluk garments for daily use were made of multicolored pinstriped silks and linens or cottons decorated with embroidered

strips or block-printed designs. Block-printing is thought to have been influenced by Indian cloths exported to the Mamluk world in the fourteenth century. The large number of Indian fabrics found at Fustat attests to their popularity among residents of the capital.²⁶ Many of these cloths were produced by resist-dying with designs executed in reserve, a technique also used by the Mamluks. The decorative vocabulary of Mamluk printed fabrics relies on local designs, employing inscriptions set against animated scrolls (no. 120) or placed in bands and broken by cartouches (nos. 121–22).

It is almost impossible to comprehend the richness of Mamluk ceremonial garments from the surviving fragments. Textiles played a very important role in the society; they identified different classes and had symbolic uses in court ceremonies. ²⁷ Certain styles and colors were restricted to particular religious or social groups, and the military classes had specific outfits for each regiment and rank. Contemporary terminology used for garments, headdresses, styles, and fabrics is indicative of the complexity in fashion and hierarchy of official dress.

One of the most important ceremonies was the change of clothes at the beginning of the hunting season in autumn. The sultan removed his summer attire and distributed wool garments to his amirs; the court then entered Cairo in a procession. In the spring, clothes were changed again with equal pomp and ceremony. The military aristocracy had different outfits for royal receptions, parades, hunts, polo games, and tournaments in addition to battle dress. Textiles were used to line the streets during official parades and were made into ceremonial and military banners. In the imperial council, each participant was differentiated by the silk hanging placed behind his seat.

Textiles also served to identify sultans, amirs, and their regiments during military campaigns. Banners, cloaks, and blankets, as well as saddlecloths for camels and horses, were appliquéd with blazons (no. 124). Some Mamluk appliqués are extremely delicate, adorned with inscriptions and arabesques recalling the intricate patterns of woven silks. ²⁸ This technique of appliqué is still used in Cairo to produce large ceremonial tents hired for weddings, funerals, and other special events.

The most prestigious Mamluk fabric was the kiswa, the black cloth embroidered with Koranic verses in gold and used to cover the Kaaba. Production of the kiswa was zealously guarded as an Egyptian privilege. Each year a new kiswa was sent to Mecca in a mahmal or ceremonial litter accompanied by pilgrims. When the mahmal arrived at the Kaaba, the kiswa was replaced, and the old one was cut up and distributed among the pilgrims. Baybars I was the first Mamluk sultan to send a mahmal to Mecca, and Egypt continued to supply the kiswa until the beginning of the twentieth century.

Rugs

The Mamluk rug is perhaps the most striking of all Islamic carpets, woven in jewellike tones of red, green, and blue, with an almost silky

iridescence (nos. 125–28). Mamluk rugs are made of wool, except for a singular example in Vienna, which is woven in silk. 29

The design of the rugs is unique to the Mamluk world, consisting of a square that is transformed into a rectangle by the addition of two oblong panels. This rectangular component is either single and framed by a wide border or triple, in which case the central square is more prominent and all three units are enclosed by a border. The only exception is the celebrated five-partite rug owned by the Metropolitan Museum of Art in New York.³⁰

The decoration of the central square utilizes geometric units radiating from the center. The core is often a multipetaled rosette enclosed by a star, which is in turn placed within a medallion. The encircling zones grow larger as they open out from the core, forming a series of stars, hexagons, octagons, and polygons, each subdivided and decorated in contrasting colors with alternating motifs. The overall effect is similar to the astral compositions of manuscript illumination, woodwork, and inlaid stone. The oblong panels flanking the central square are either tripartite, their components echoing the central design, or contain rows of stylized cypresses, palm trees, papyrus sprays, abstracted florals, and arabesques. The border often consists of medallions alternating with oval cartouches; some later examples have overall floral patterns in the borders.

The origin of Mamluk carpets is quite mystifying. The earliest record of rug weaving under the Mamluks exists in a statement made in 1474 by the Venetian traveler Barbaro in which he describes the carpets of Tabriz and makes a passing remark about these being superior in quality to carpets produced in Cairo. Mamluk rugs were thought to have been made in Damascus, based on Venetian sources, which used the term "damask rugs," most likely referring to their brilliant colors. Friedrich Sarre was the first to identify them with Egypt, and Kurt Erdmann's extensive research has proven that their production was begun in Cairo in the last quarter of the fifteenth century. 33

Why these rugs made such a sudden appearance in a tropical region where carpets were not required as floor coverings remains an intriguing question. In contrast to other Mamluk arts, which during their formative years relied on earlier techniques established by the Ayyubids, there was no precedent of pile weaving, which the Mamluks could have inherited, nor any evidence of an extensive rug industry before the end of the fifteenth century. The Mamluk rug appears in all its glory from the day it was born, contradicting all other artistic traditions, which evolve from archaic origins and evolve through experimental stages before reaching maturity.

Perhaps an explanation can be provided by an analysis of the political developments of the period. In the fifteenth century the rug weaving centers of the Near East were located in Anatolia and Iran. The complicated alliances and battles between the Mamluk, Ottoman, and Turkman states of Iran and Anatolia caused continual shifts

in political boundaries and movements of peoples. The Akkoyunlu Turkmans finally put an end to the Karakoyunlu Turkmans in 1467, and Tabriz fell to the new rulers. Some artisans chose to remain in their city and continued weaving rugs, as witnessed by Barbaro who was there eight years later; others must have sought employment in the Ottoman and Mamluk capitals. The Mamluks had offered protection to previous émigrés from Iran, including Sultan Ahmad of the Jalairid house and Kara Yusuf of the Karakoyunlu dynasty.

The fall of the Karakoyunlu Turkman state coincides with two remarkable occurrences in the Mamluk world: the appearance of rugs and the beginning of an exceptional painting style. If Karakoyunlu weavers did indeed come to Cairo at the end of the 1460s, they must have found highly supportive patronage at the court of Qaitbay. One can assume that pile weaving flourished under the stimulus provided by the sultan and the expertise of the newcomers. Rugs were made for both religious and residential structures, their proportions determined by the dimensions of large reception halls in palaces and mansions or by smaller prayer chambers in religious establishments. The decorative themes were inspired by the magnificent geometric designs of the art and architecture of the capital and the colors reflected the brilliant tones in stained glass.

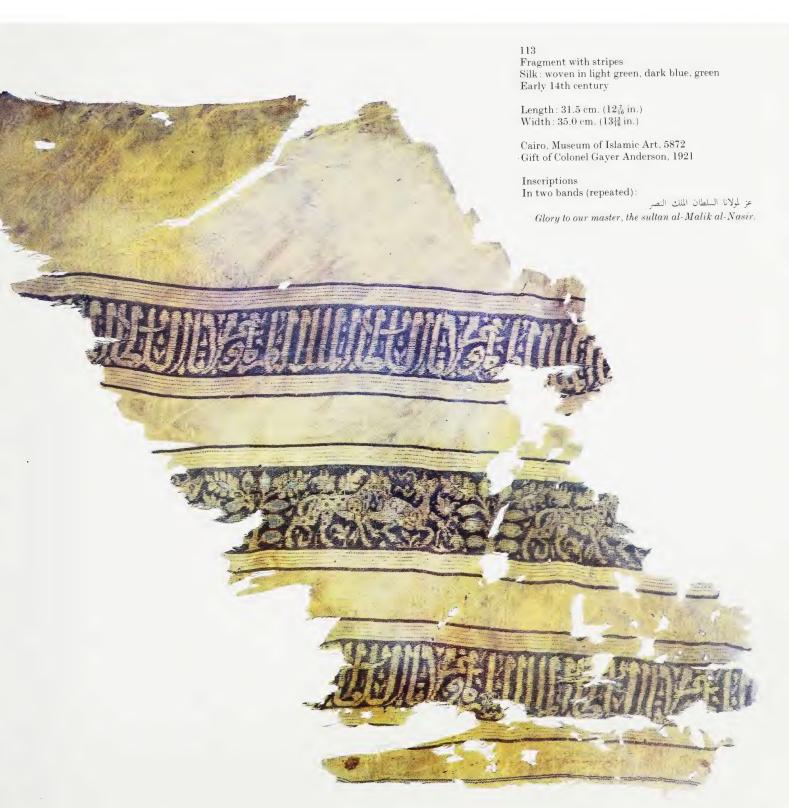
This new form of interior decoration was an immediate success, and the rug weavers produced many carpets both for domestic use and for export. As the industry flourished, the reputation of the Mamluk weavers grew, and they came to be among the most sought-after artists. Cairo continued to produce and export rugs up to the seventeenth century, as indicated by an official edict of 1585 in which the Ottoman court called eleven specific Egyptian weavers to Istanbul and by an eyewitness account by the French traveler Thévenot, who visited the former Mamluk capital in 1663 and saw weavers making carpets there.³⁴

Inscriptions, one of the most characteristic features of Mamluk art, are noticeably absent in rug decoration. None of the carpets are dated and the patrons and artists remain unknown. There are two examples, however, which bear composite blazons associated with the court of Qaitbay. This blazon consists of a napkin in the upper field, a cup charged with a pen box flanked by two horns in the central zone, and a second cup in the lower field (see no. 124). The blazon is also found in a fragmentary rug in the Textile Museum in Washington, D.C., and in the four corners of a smaller intact rug in the Barbieri Collection. The Textile Museum fragment is thought to have originally been tripartite, measuring 11×4.4 meters (36×14 feet), which makes it one of the largest produced by Mamluk weavers. These are the only two known rugs with blazons. Since both sultans and amirs used this heraldic symbol in the late fifteenth century, the patrons of these rugs cannot be properly identified.

Geometric and astral compositions of Mamluk rugs were eventually abandoned in favor of curvilinear designs and floral motifs, which were

popular in the Ottoman court. One of the square Egyptian rugs executed in this style during the second half of the sixteenth century is decorated with Ottoman motifs representing tulips, serrated leaves, and palmettes. A unique seventeenth-century prayer rug represents a stemmed cup "charged" with nine mosque lamps placed between the columns of a mihrab; the inscription at the top is rendered in Hebrew, indicating that it was made for a synagogue. The 1674 inventory of the Yeni Cami in İstanbul lists several Egyptian rugs, including multiniche prayer rugs, the smallest of which contained 10 mihrabs, while the largest had 132 mihrabs. These were probably among the last examples of the great rug industry that had begun in Egypt during the late Mamluk period.

- 1. Cairo. Museum of Islamic Art. 3740 (Cairo 1969. no. 250).
- 2. Berlin, Museum für Islamische Kunst, 13191 (Berlin 1971, no. 527, pl. 73). 3. Cairo, Museum of Islamic Art. 23903 (Cairo 1969,
- no. 251).
- 4. Spuler 1978, p. 162, no. 91.
- 5. Falke 1936, figs. 308-9; Schmidt 1958, fig. 146.
- London, Victoria and Albert Museum, 664-1896 (London 1976, no. 20).
- 7. Kendrick 1924, pls. xxi-xxii and xxiv; Falke 1936, fig. 294; Schmidt 1958, figs. 91, 102, and 108.
- 8. Falke 1936, figs. 288-93; Schmidt 1958, fig. 90.
- 9. London, Victoria and Albert Museum, 8639-1863 (Kendrick 1924. no. 994. pl. XXII).
- 10. In Danzig (now Gdánsk) and Berlin (Falke 1936, fig. 287; Schmidt 1958, fig. 92; London 1976, no. 15).
- 11. Lane 1971, p. 4.
- 12. New York. Metropolitan Museum of Art (Dimand 1944, fig. 170; Schmidt 1958, fig. 129). Another striped silk is published in Lamm 1935, fig. 6.
- 13. Lamm 1935, fig. 7.
- 14. Falke 1936, fig. 305; Schmidt 1958, fig. 112.
- 15. Falke 1936, figs. 285-86; Schmidt 1958, figs. 96 and 130.
- Berlin fragment is published in Falke 1936, fig. 317: the one in London. Victoria and Albert Museum. is in Kendrick 1924, pl. XII; Cairo, Museum of Islamic Art. 2226 (Herz 1907, fig. 50; Cairo 1969, no. 256). See also Schmidt 1958, fig. 131.
- 17. Cairo, Museum of Islamic Art, 15608 (Cairo 1969. no. 252).
- 18. Cairo. Museum of Islamic Art. 15626 (Wiet 1958. pp. 241-43. pl. iii; ('airo 1969, no. 253).
- 19. Cairo. Museum of Islamic Art. 15554 (Cairo 1969. no. 254).
- 20. Cairo, Museum of Islamic Art, 23899 (Cairo 1969, no. 262).
- 21. London, Victoria and Albert Museum, 817-1898 (Kendrick 1924, pl. x1) and 1174-1900.
- 22. London, Victoria and Albert Museum, 753-1904 (Kendrick 1924, pl. xv).
- 23. Cairo, Museum of Islamic Art, 14529 and 24264 (Izzi 1974, figs. 7–8); same collection, 13736 and 14514 (Izzi 1974, figs. 9-10). Barsbay's name appears on a fragment in the same collection, 800.
- 24. See Lamm 1937, figs. 2 and 12.
- 25. Whitcomb and Johnson 1979, pp. 211-15.
- 26. Pfister 1938.
- 27. Many of these outfits and their textual references are given in Mayer 1952
- 28. Lamm 1937.
- 29. Vienna, Österreichisches Museum für angewandte Kunst. T 8382 (London 1976, no. 35; Vienna 1977 no. 1).
- 30. New York, Metropolitan Museum of Art, 1970.105 (Ellis 1967, fig. 13; Dimand and Mailey 1973, fig. 181; Metropolitan 1975, last page).
- 31. Papyrus sprays, once thought to be unique to rug weavers, appear on a late-fifteenth-century tinned copper tray (Drouot 1980, no. 77).
- 32. Kühnel and Bellinger 1957, p. 5.
- 33. Sarre 1921 and 1924; Erdmann 1938, 1940, and 1961.
- Erdmann 1938, pp. 187–88 and 195–96.
 Washington, D.C., Textile Museum, 1965,49.1. These rugs are discussed in Ellis 1967.
- 36. Washington, D.C., Textile Museum, R 16.4.1. (Mackie 1980, fig. 185).
- 37. Kühnel and Bellinger 1957, pls. xxx-xxxı
- 38 Erdmann 1938, p. 197.



This fragmentary silk is woven with three horizontal bands: the upper and lower panels bear inscriptions: the central band depicts a leopard pursuing a gazelle flanked by floral sprays with two large lotus blossoms and symmetrically placed oval leaves. Three units of the repeat are

The light green ground of the piece is extremely faded and stained, its original color virtually lost. The bands are in dark blue with the design reserved in light green; touches of bright green are visible in the floral sprays between the combating animals. Each band is enclosed by a series of five lines, the outermost rendered in dark, almost black, blue

This double cloth, woven with two sets of silk warp and weft, was a part of a larger piece, fragments of which are now in the Victoria and Albert Museum in London and the Benaki Museum in Athens. Another piece owned by the Museum of Islamic Art in Cairo has the pattern reversed and was rendered in dark blue on a light green ground.2 The inscription on this fragment is properly read only on the reverse, suggesting that the weaver erred when transferring the design or he was illiterate and did not understand the inscription

Bands with predators and prey appear frequently on early Mamluk textiles (see no. 117) and are encounted in metalwork dating from the late thirteenth century and first half of the fourteenth century (see, for instance, nos. 10, 14-16, 18-19, and 21-22).

The inscription on the Cairo fragment indicates that the cloth was made for royalty, possibly for Sultan Nasir al-Din Muhammad, whose name included the honorific titles al-Malik al-Nasir. This sultan was renowned for his taste for luxurious fabrics. His name and titles appear on several exquisite silks, including an example at the Metropolitan Museum of Art in New York;3 a piece in Cairo found at Jabal Drunka, near Asyut in Upper Egypt: 4 a fragment from al-Azam. Upper Egypt, now in the Victoria and Albert;5 and a cap in the Röhss Museum of Arts and Crafts in Sweden.6

Wiet 1930, no. 86 Ross 1931, p. 327, fig. 2 M. H. Zaki 1948, p. 366 and fig. 296 M. H. Zaki 1956, no. 607 and fig. 607 Mostafa 1961, p. 33 Cairo 1969, no. 257

London, Victoria and Albert Museum, r122-1921 (Kendrick 1924, no. 959, pl. x; London 1976, no. 16)
 Carro, Museum of Islamic Art, 9951 (Cairo 1969, no. 257)
 New York, Metropolitan Museum of Art (Dimand 1944, fig. 170, Schmidt 1958, fig. 92)
 Cairo, Museum of Islamic Art, 2226 (Herz 1907, fig. 50), Other

tragments of this piece are mentioned as being in East Berlin and Lenngrad (Curo 1969, no. 256) London Victoria and Albert Museum (Kendrick 1924, no. 957

Fragment with star and crescent Silk: woven in ivory, light blue, dark blue 14th century

Length: 13.0 cm. (51 in.) Width: $7.5 \text{ cm.} (2\frac{15}{16} \text{ in.})$

Cairo, Museum of Islamic Art, 15532 Purchased 1946

This small fragment represents a complex triplecloth weaving technique with three sets of warp and weft, of which there are very few Mamluk examples preserved (see also no. 115).

The fragment with a selvage on one side is decorated with two squares. In the center of one is a crescent with a six-petaled rosette between its arms. The crescent and rosette are rendered in ivory on a dark blue ground framed by a thin ivory band. The surrounding zone is filled with an overall geometric pattern executed in ivory on dark blue; it consists of connected eight-pointed stars with light blue cores



In the center of the other unit is an eightpetaled rosette framed by a diamond enclosed within a square. The next zone has a series of triangles with lancet leaves, creating an eightpointed star. The outlines of the design are ivory and the ground is dark blue with light blue applied to the lancet leaves and the surrounding field. Dark blue lobed roundels fill the corners and ivory foliate elements appear between the arms of the star. An elaborate version of this eight-pointed star was employed on another woven silk (no. 118).

The crescent, a popular Mamluk decorative motif, is found on many textiles as well as on glass, ceramic, and metal objects (see nos. 47 and 115).2 It was used as a heraldic symbol on two brass basins: one, dated late thirteenth century, was made for a lady named Fatima, daughter of Amir Sunqur al-Asar; a second bears the name Ali ibn Hilal al-Dawla, who died in 1339.3 The crescent may also have served as an imperial symbol connected with the house of Sultan Qalawun whose descendants reigned until 1390.

Published Mostafa 1958, no. 8 Cairo 1969, no. 261

- 1. A beautiful example in Washington, D.C., Textile Museum. 2.289, now thought to be Mamluk, has the same colors (Mackie
- 2. It appears on a shirt in Berlin, Museum für Islamiche Kunst. 13191 (Berlin 1971, no. 527, fig. 73); a block-printed linen in Cleveland, Cleveland Museum of Art. 29.907; and two fragments in Cairo, Museum of Islamic Art, 12667/1–2 (Cairo 1969, nos. 259-60). It is also found on pottery and metalwork (Mayer 1933, pls. xi-xii, xlii, and xlvii). See also D. S. Rice 1952, pp. 565-69, 577, figs. 2, 7b, pls. 6-7.
- 3. Rice suggests that the crescent represented the shadd al-dawawin, superintendent of chanceries, an office held by Fatima's father as well as by Ali ibn Hilal (D. S. Rice 1952).

115
Fragment with ogival pattern
Silk: woven in tan, ivory, dark blue
14th century

Length: 16.0 cm. (6¹/₄ in.) Width: 30.0 cm. (11¹³/₁₆ in.)

Toronto. Royal Ontario Museum. 980.78.44a-b Gift of Albert and Frederico Friedberg. 1980 Ex-Charles S. Wilkinson Collection

This fragment employs the same triple-cloth technique as the previous example (no. 114). The pattern consists of large ogival units linked to one another by pendants formed by a pair of crescents flanking eight-petaled rosettes between the ogees. The large ogival units contain a central roundel wreathed by lotus blossoms and buds.

The field of the illustrated side is tan (beige and brown), with ivory (actually ivory and light blue) used in the ogival units and in the crescents and rosettes. Dark blue (blue and black) appears in the

outlines of the units, in the rosettes between the crescents, in the roundels in the centers of the ogees, and in the floral wreaths. The roundels also have a thin tan border. The other side, not illustrated, has a blue field and brown units with ivory details and outlines, a result of the triple sets of warp and weft.

Similar ogival patterns appear on two other textiles (nos. 116 and 118). One of them (no. 118) has blossoms with spiked petals that are like those in the lotus wreath. The closest parallel for this scroll is on a contemporary glass vessel (no. 51).

The roundels in the centers of the ogees resemble the blazon of the *jashnigir* (imperial taster), which shows a round table. A number of textiles utilize motifs recalling blazons (such as crescents, fleur-de-lis, roundels, and lions), most likely inspired by heraldic emblems but also used as decorative elements.

Unpublished







In the middle of each ogee is a highly stylized floral element with three concentric rings: the core has a lotus blossom; the second ring bears a circular inscription, one half of which is the mirror image of the other: and the final lobed ring is adorned with floral motifs. Small leaves, lotus buds, and blossoms grow from the ogival scroll and create a densely filled field.

A tension is created in the movement of the design by reversing the direction of certain elements: the large lotus blossoms in the ogival units face one direction, while the inscriptions in the eight-lobed roundels and the stylized blossom in the center face in an opposite direction.

The ground of the fabric is dark blue and the design is rendered in gold: details are executed in white and pinkish tan: yellow augments the gold.

According to a previous owner, the mantle came from a church near Valencia. Spain. Mamluk silks. cherished at European courts, were often used as ecclesiastical vestments. One of the fabrics with an ogival pattern was made into a priest's chasuble, now owned by the Victoria and Albert.1 This striking silk, which contains silver and gold. was sewn in Spain, as was the Cleveland mantle. Another interesting ogival silk was made into a child's shirt or robe, now in Berlin.2 This fragmentary garment contains the bodice with an opening for the neck and a frontal slash fastened by buttons and loops. The ogival units are decorated with a pair of addorsed griffins, enclosed by a band of roundels alternately filled with inscriptions and crescents with six-petaled rosettes. These units, linked by roundels with inscriptions or animals, are placed on a checkerboard-pattern ground. The Berlin shirt is one of the rare extant Mamluk garments.

A fragment with a design similar to that of the Cleveland mantle was used as the orphrey (ornamental band) of a vestment.3 It bears an identical inscription in the stylized blossoms, with the title al-Ashraf in the eight-lobed roundels. This title was used by several Mamluk sultans. including Qaitbay (1468-96), which suggests that silks with ogival patterns were produced to the end of the fifteenth century.

PublishedUnderhill 1939, pp. 144-45. Cleveland 1958, no. 715. Cleveland 1969, p. 214. Cleveland 1978, p. 270.

- London, Victoria and Albert Museum, 664 1896 (London 1976, no. 20).
- 2. Berlin, Museum für Islamiche Kunst, (319) (Berlin 1971
- no, 527, fig. 73). 3. London, Victoria and Albert Museum, 753–1904 (Kendrick 1924, no, 973, pl. xv: London 1976, no, 19)

Cap with stripes

Silk: woven in dark blue, white, tan, green, light green, dark brown; quilted

14th century

Height: 12.7 cm. (5 in.) Diameter: $17.2 \text{ cm.} (6\frac{3}{4} \text{ in.})$

Cleveland, The Cleveland Museum of Art, 50,510 Purchased, The John L. Severance Fund, 1950

Inscriptions In bands (repeated):

عز لمولانا السلطان

Glory to our master, the sultan.

Although complete garments from the Mamluk period are extremely rare, several collections have a substantial number of caps, most of which are quilted or adorned with embroidered bands.1

The Cleveland cap, one of the best preserved examples, is said to be from an Egyptian grave. The fabric from which the cap was made has three vertical bands: the first is dark blue with white: the second contains tan, green, light green, and dark brown stripes; and the last is dark blue with a frieze of running animals executed in white.

The cap is constructed of seven sections: a single piece forms the headband with six triangles stitched together to make the crown. The entire piece was quilted using a bastlike fiber backing, a knob was added at the apex.

The pattern of the silk incorporates several themes found on Mamluk textiles: bands with running animals and inscriptions, executed in reserve, similar to a fragment discussed earlier (no. 113); and thin multicolored stripes, one of the most popular designs on Mamluk silk, cotton, and

Caps were worn by men, women, and children. as observed in manuscript illustrations. It has been suggested that they represent a type of hat used indoors called kalautah; a kerchief may have been wound around it when the owner went outside.2 As indicated by the large number of surviving examples, this type of headdress was very common. One of the rare royal examples bears an inscription with the name of Sultan Nasir al-Din Muhammad.3

Unpublished

- 1. Several caps are in Cairo, Museum of Islamic Art: London, Victoria and Albert Museum; and New York, Cooper-Hewitt Museum of Design and Decorative Arts.
- Mayer 1952, pp. 28–29.
 In Röhss Museum of Arts and Crafts, Sweden, 111/35 (Lamm 1935, fig. 7).

118 Fragment with ogival pattern Silk: woven in dark blue, light green 14th-15th century

Length: 21.6 cm. (8½ in.) Width: 22.2 cm. (83 in.)

Cleveland, The Cleveland Museum of Art, 18.189 Purchased, The Dudley P. Allen Income Fund,

This handsome fragment has medallions enclosed by an ogival pattern. The ogival compartments are composed of a scrolling vine with peonies and lotus blossoms. The central medallions have an eight-petaled rosette in the core within a twelvepointed star surrounded by an eight-petaled blossom embellished with trefoils and lobed spiked buds. The ground of the fabric is dark blue; the pattern, originally executed in pale yellowish green, has faded and now appears as light yellow.

The blossoms in the floral scroll resemble those seen in fourteenth- and fifteenth-century manuscript illumination (see nos. 4 and 8) as well as motifs employed on Chinese silks and blue-andwhite ceramics. According to museum records, pieces from the same textile are now in Berlin, Brussels, and Paris.

Ogival patterns were frequently utilized by Mamluk weavers (see nos. 115-16) and continued to be popular in the Ottoman period when traditional Turkish motifs were incorporated into the design.

Unpublished

1. The Berlin fragment is published in Falke 1936, fig. 325.





110 Fragment with stripes Silk: woven in dark blue, turquoise, ivory 1500 conting

Length 48 9 cm. 191 in) Width 29.2 cm. 111 m.:

New York, Madina Collection, τ10 Ex-Kelekian Collection

This vertically striped fragment is in two pieces: the stitches joining the segments and those forming the hem on the lower diagonal appear to be contemporary with the fabric. It must have been part of a garment requiring piecing and hemming.

The pattern is based on a repeat of dark blue bands with two designs separated by turquoise strips. One of the bands is composed of a row of lotus blossoms, rendered in ivory with turquoise outlines; the interstices are filled with stylized neaves using the same color scheme. The second band has a row of souares with an abbreviated inscription written in ivory and enclosed by a turquoise lozenge with ivory trefoils. The lozenges are joined by pairs of stylized lotus blossoms flanked by dots.

The brilliance of the turquoise and density of the dark blue are remarkably well preserved. A smaller fragment of the same textile is owned by the Metropolitan Museum of Art.¹

The inscriptions in the lozenges were most likely intended to represent the word al-sultan. The abbreviated form of this word is not an uncommon feature in Mamluk art and appears in several other textiles, including a fifteenth-century block-printed linen fragment in the Cleveland Museum of Art.²

1 1 2 3. .

New York Metropolitan Museum of Art, 1979 462 2
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120
Fragment with inscription
Linen: printed in brown on beige
Early 14th century

Length: 19.0 cm. $(7\frac{1}{2} \text{ in.})$ Width: 21.3 cm. $(9\frac{1}{16} \text{ in.})$

Cairo, Museum of Islamic Art. 14472 Purchased 1939

Inscriptions

عبة

Affection.

The next group of textiles (nos. 120–22) are block-printed on off white, ivory, or beige linen or cotton and use for the design only a single color, such as brown, dark blue, or gray.

One of the earliest printed fabrics, this fragment contains an inscription placed on a scroll composed of animal heads. Included amidst the leaves and buds is a bird and the heads of a griffin. lion, hare, and possibly a man. The inscription and scroll are reserved against the brown background.

Arabesques composed of animals were among the decorative repertoire of Mamluk metalworkers and are found on several inlaid brasses (see nos. 10, 13, 22, and 24). One of the most striking compositions appears on the lid of the pen box of Abu'l-Fida (no. 24), which contains a bold inscription on a scroll adorned with similar animals.

Published Cairo 1969, no. 269 and fig. 47.



Fragment with inscriptions, stars, roundels Linen: printed in dark blue on off white Late 15th century

 ${\rm Length: 35.5~cm~(14~in.)} \\ {\rm Width: 41.0~cm.~(16\frac{1}{8}~in.)}$

Cairo, Museum of Islamic Art, 8204

Purchased 1928

Inscriptions Band on top (repeated):

الصبر نعم الناصر ولكل شيء اخر

 $Patience\ is\ blessed\ with\ success\ and\ everything\ is\ rewarded.$

This fragment combines an overall repeat pattern with a distinctive inscription band used as a border. The inscription is reserved on a dark blue ground and enhanced by strips of braids and coralle also added to the coralle also added to the coralle also added to the coralle also added to the coralle also added to the coralle also added to the coralle also added to the coralle also added to the coralle also added to the coralle also added to the coralle also added to the coralle also added to the coralle also added to the coralle also added to the coral added to the coralle also added to the coral added to the cor scrolls placed between the vertical letters.
The wood block used in this section was about 16 centimeters ($6\frac{1}{4}$ inches) wide and was repeated at least three times.



The lower portion is composed of concentric roundels and eight-pointed interlaced stars linked by knots. The roundels contain either four-petaled or six-petaled swirling rosettes framed by beaded bands and braids. The stars are composed of pairs of overlapping quatrefoils with additional interlace in the center. Four blocks were repeated to create the pattern: stars, concentric roundels with four or six petals, and knots.

Printed fabrics using different wood blocks were mass-produced. There also exist block-stamped textiles depicting human figures and animals.1

Similar to the early Mamluk fragment with inscriptions (no. 120), this printed cloth reveals the impact of contemporary metalwork. The same style of script and decorative motifs can be seen

on several contemporary metal pieces (see nos. 36–39). Inscriptions placed against a scroll and decorative units composed of knots and stars formed by overlapping quatrefoils became fashionable during the third quarter of the fifteenth century and continued to be employed in Mamluk art for several generations.

Published Pfister 1938. p. 75 (M.A. 8204) and pl. XXVIIIb. Cairo 1969, no. 270 and fig. 48.

1. The Textile Museum. Washington, D.C., has a printed cloth with a series of lions; the figure of a man appears on a fragment in Cairo. Museum of Islamic Art. 7924 (Mostafa

100 Fragment with inscriptions Cotton: printed in gray on off white Late 15th century

Length: 24.0 cm. (9⁷/₁₆ in.) Width: 23.8 cm. (93 in.)

Washington, D.C., The Textile Museum, 73,725 Purchased in Cairo, 1954

Inscriptions Upper and lower panels (repeated):

العز والعال المجد والثنا Glory and sublimity, exhaltation and praise.

Central panel (repeated):

Glory and sublimity

This fabric is decorated with a wide inscription band, resembling the fragment discussed earlier (no. 121). Since complete garments have not survived, it is difficult to imagine the location of this band on the finished robe.

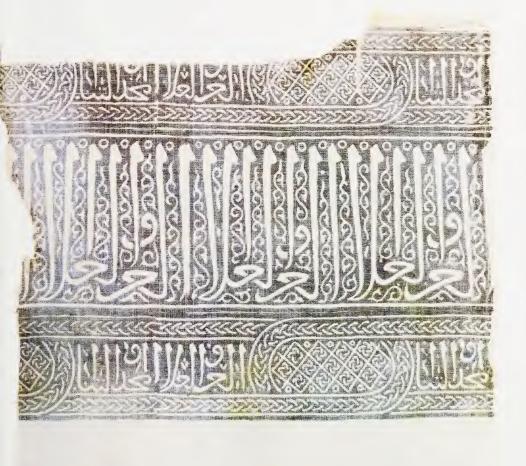
The design was rendered in reserve using a large wood block about 15 centimeters (5% inches) wide. This fragment contains $1\frac{1}{2}$ repeats, the joints of the block are visible in the braided bands.

The composition is divided into three horizontal registers. The upper and lower bands are identical and about half the height of the central unit. They are decorated with inscriptions interrupted by oval cartouches enclosing latticework filled with knots and roundels. A continuous braid defines the panels and loops around the cartouches

The central band has a hierarchic inscription with a row of roundels on the top and scrolls with split leaves between the vertical letters

This fragment is a perfect example of the impact of metalwork on printed textiles. Its model must have been similar to a contemporary bowl and basin (nos. 37-38).

PublishedWelch 1979, no. 26.



Fragment with octagons Beige silk: embroidered with yellow, green. brown, black 15th century

Length: 8.5 cm. (33 in.) Width: 28.0 cm. (11 in.)

Cairo, Museum of Islamic Art, 12619-11 Purchased 1934

A group of Mamluk silk, linen, and cotton fabrics is embellished with embroidered bands. continuing the Ayyubid practice. Surviving examples of Mamluk embroidery are comparatively simple and often very delicate. Some were used to decorate the bodices of shirts and robes and the hems of skirts and sleeves; others adorned the edges of fine cotton or linen cloth wrapped around the head. Among the embroidered Mamluk pieces are examples bearing the names of sultans including Nasir al-Din Muhammad and Barsbay which may have been used as inscription bands (tiraz) on turban wraps or on garments.2

This small fragment has an embroidered band composed of a series of square units separated by vertical strips. In the center of each square is a vellow roundel surrounded by eight petals alternately rendered in green and brown. The blossom is set within a green octagon, with yellow triangles in the corners forming a square. The vertical strips are stitched in yellow and enhanced with brown dots. Black thread is used to form the borders around the units.

Unpublished

Xoles | Cairo, Museum of Islamic Art, 3085 (Wiet 1930, no. 87; Cairo

194

Fragment with composite blazon Beige wool: woven: appliquéd in blue. green. yellow, red, white Late 15th century

Length: 22.8 cm. (9 in.) Width: 30.5 cm. (12 in.)

New York. The Metropolitan Museum of Art. 1972.120.3

Purchased, The Rogers Fund, 1972

Woven fabrics appliquéd with heraldic symbols are among the most characteristic Mamluk textiles. Many are coarsely executed and represent the full range of blazons, including lions, stemmed cups, napkins, and swords. One of the more unusual pieces depicts a figure riding a mule thought to be the emblem of the courier. Blazons identified the ranks of amirs and were used on banners, baggage, tents, and blankets as well as on the saddlecloths of horses and camels

This example has a composite blazon placed in a circular shield, enclosed by a lobed medallion executed in blue. Some of the appliqués have disintegrated, and the original fabrics are visible only in minute areas. The shield is divided into three fields designated by red, yellow, and dark blue. The upper field bears a white bugia or cloth in which clothes are wrapped, commonly called a "napkin." which was the symbol of the jamdar (master-of-the-robes). The lower field has a white stemmed cup identifying the saqi (cup-bearer). The central field shows a blue stemmed cup charged with a white pen box, the combined symbols for the saqi and dawadar (secretary):

flanking the cup is a pair of dark green elements with white tips. These elements were thought to be "trousers of nobility." because they suggest the legs of loose pants. Recently, they have been identified as drinking horns or powder horns, both of which have obscure meanings.2

Burji Mamluks used blazons with composite charges. In contrast to the Bahri blazons, which represented a distinct office held by an individual. these composite blazons were shared by a corps of amirs who served one master.3

The particular combination of six heraldic signs seen on the appliqué was used by Sultan Qaitbay (1468-96) and his amirs. It was also employed by Sultan Janbalat (1500-1501) and Sultan Qansuh al-Ghuri (1501-16), both of whom were formerly in the service of Qaitbay.

Sultan Qaitbay's composite blazon is found on a number of late-fifteenth-century carpets and metalwork. A rug fragment in the Textile Museum shows an identical blazon with the same combination of colors.4 This blazon appears on a tinned-copper tray (no. 39) as well as on other contemporary objects.5

Unpublished

- 1. Cairo, Museum of Islamic Art, 13208. The same subject appears in a brass statuette and ceramic fragment in Cairo. 18618 and 14691 (Mostafa 1958, nos. 61–63, fig. 21).

- Mayer 1933, pp. 19–22; and Mayer 1938.
 For a study of these composite blazons see Meinecke 1972, pp. 273–78; and Meinecke 1974, pp. 231–40.
 Washington, D.C., Textile Museum, 1965, 49.1 (Ellis 1967, figs. 1 and 10 and cover). Another rug with the same blazon has a different color scheme (Ellis 1967, fig. 11).
 Mayer 1933, pl. LXII; Mayer 1937, pl. 1b; Cairo 1969, no. 90; and Albert 1969, pp. 1021.
- and Allan 1969 and 1971.





Rug with cup motif

Wool: woven with red. green, blue pile

Late 15th century

Length: 1.86 m. (6 ft. 14 in.) Width: 1.37 m. (4 ft. 6 in.)

Washington, D.C., The Textile Museum, R 16.1.2 Acquired between 1920 and 1926

The layout of this rug is characteristic of the smaller, almost square Mamluk carpet. A wide border encloses the field, which is divided into three horizontal units consisting of a central square flanked above and below by two rectangular panels. The height of the rectangular panels is approximately one-third that of the square and is equal to the width of the border.

The corners of the central square are cut by triangles, creating an octagon with a green ground. The octagon contains a blue polylobed medallion, which encloses an eight-pointed star with a multipetaled rosette in the core. The area between the star and lobed medallion has floral motifs springing outward from the arms of the star. The angles of the octagon bear eight isolated and irregular polygons with a red ground: each of these units is adorned with a multipetaled rosette enclosed by a square with papyrus motifs springing from its sides and corners. The field of the octagon is filled with similar papyrus sprays. some of which appear to grow from the eight stemmed cups placed between the polygons. The triangles in the corner bear a checkerboard pattern with a stylized lotus blossom (or fleur-delis) in each segment.

The rectangular panels above and below the central unit reveal a tripartite division separated by papyrus sprays. Each panel has three squares, their corners cut out to form octagons. The central octagon in both panels is on a red ground and contains an eight-lobed medallion enclosing an eight-pointed star: each of the lateral units has a green ground and a sixteen-pointed star surrounding a square. Multipetaled rosettes appear in the core of the units, which are filled with additional floral elements.

The border is blue and embellished with red oval cartouches that alternate with green lobed medallions. The cartouches in the center of the long sides have shrunk and form medallions. The decoration of these two medallions follows that of the polygons in the central field; the same design appears in the oval cartouches, which have, instead of a square, a row of three diamonds (or lozenges) in the middle. The green eight-lobed medallion encloses a square with a central rosette. The narrow guard borders are decorated with scrolls bearing leaves.

The compositional layout of the rug is reminiscent of the illuminated frontispieces, which reveal similar proportions and internal divisions. Radiating designs of geometric components filled with floral motifs are a characteristic feature of Mamluk art, as observed in manuscripts, metalwork, glass, ceramics, woodwork, and textiles (see nos. 4, 35, 51, 99, and 114).

The stemmed cups represented in the central square appear to have been inspired by the blazon of the saqi (see nos. 15-16, 27-28, 96, and 109). Here, the cups are used as a decorative feature and cannot be identified as blazons. The same decorative motif is found on a rug in Berlin.

Kühnel and Bellinger 1957, pp. 9-10 (R 7.2), pls. 1 and 111.

Ellis 1974, fig. 10. Textile Museum 1976, fig. 5.

Erdmann 1940, fig. 3.





Rug with palm trees and cypresses Wool: woven with red, green, blue pile Circa 1500

Length: 1.88 m. (6 ft. 2 in.) Width: 1.34 m. (4 ft. 4 in.)

Washington, D.C., The Textile Museum, R 16.1.3 Purchased 1951 Ex-Kelekian Collection

The layout and color scheme of the previous example (no. 125) appear in this rug, which is almost the same size. The central square displays the ultimate expression of a geometric pattern based on multiples of eight. It contains a central octagon filled with red lancet leaves on a green ground. In the core is a multipetaled red blossom enclosed by a red medallion surrounded by an eight-pointed star. Triangles placed around the octagon transform it into an eight-pointed star enclosed by a frame with red papyrus sprays on a blue ground. Encircling this zone is a series of polygons with rosettes, which form an immense sixteen-pointed star. The corners of the central square have red quatrefoils on a green ground.

The transverse bands above and below the central square have a red ground with four green palm trees alternating with five green cypresses flanked by blue papyrus sprays, all of which are oriented toward the center.

The blue border is densely packed with alternating oval cartouches and eight-lobed medallions, rendered in red on green or green on red. These units are filled with papyrus motifs. which evolve from four blue lozenges in the middle of the ovals: they also radiate from squares in the medallions filled with multipetaled blossoms. The ovals in the center of the long sides are contracted and contain only three lozenges. Double guard borders, decorated with leaf scrolls, repeat the color scheme, using red on green or red on blue.

This rug contains a number of decorative elements employed on other contemporary arts. The naturalistic cypresses growing on the transverse bands are similar to those on metal objects and tiles and to those in the stained-glass windows in the mausoleum of Sultan Qaitbay. completed in 1472-74. The papyrus sprays, once thought to be limited to Mamluk carpets, also occur on a tinned-copper tray.2 The combination of cypresses, palm trees, and papyrus sprays appears to be unique to rug weavers.3

Published Kühnel and Bellinger 1957, p. 15 (g 7.13), pls. 1 and VII.

- 1. For instance the ewer made for Qaitbay's wife in London. Victoria and Albert Museum (D. S. Rice 1953a, pl. vi).
- 2. Drouot 1980, no. 77.
 3. For other rugs decorated with trees see Kühnel and Bellinger 1957, pls. 11, vt. and vttt: Berlin 1971, no. 529, pl. 11





127 Rug with central star Wool; woven with red, green, blue, brown, yellow pile Early 16th century

Length: 2.0 m. (6ft. 6 in.) Width: 1.48 m (4 ft. 104 in.)

Washington, D.C., The Textile Museum, R 16.2.3 Purchased 1951 Ex-Kelekian Collection The brilliant reds, greens, and blues found on the earlier Mamluk rugs (nos. 125–26) were later enhanced by the addition of other colors, such as brown and yellow, as seen on this example.

The layout of this rug is similar to those described earlier and contains a geometric pattern based on multiples of eight. The octagon, which is more prominent in the other rugs, has blended with the encircling triangles to become a sixteenpointed star. The central square and transverse bands share red ground, the upper and lower portions distinguishable only by the variation in motifs and surface colors.

The main theme of the central square is a sixteen-pointed star with red lancet leaves on a blue ground. The yellow medallion in the middle is filled with red and green flowers, which form a double quatrefoil around an eight-pointed star: this star encloses an identical element, in the core of which is a multipetaled rosette surrounded by a diamond in a square. The sixteen-pointed star is encircled by a green band that has eight arms with lobed medallions inserted between them. Sixteen polygons interspersed around the lobed medallions create another sixteen-pointed star, its points cut off by the frame. Square units in the corners, enclosing octagons surrounded by a lattice filled with lotus blossoms, complete the composition.

The rectangular bands above and below the central square have three horizontal rows of floral units oriented toward the center. The inner row contains chalicelike plants interspersed with floral units; the middle alternates stylized miniature cypresses with larger papyrus sprays surmounted by lotuses; and the outer row has two types of arabesque cartouches.

The blue border is filled with green ovals and red medallions containing the same green or red papyrus sprays and blue lozenges seen in the previous example (no. 126). Additional sprays of red papyrus fill the interstices. The units are framed by a continuous yellow ribbon that loops around the tiny roundels placed on four sides of each medallion. The double guard borders have two types of floral scrolls, rendered in red on blue and green on red.

The overall effect of a centrifugal design radiating from the core, its outermost elements cut off by the frame, is strikingly similar to the compositions of manuscript illuminations (see nos. 3–4). The thin ribbon connecting the cartouches and medallions is also seen in contemporary illumination and late-fifteenth-century objects (see nos. 9, 35, 37–39, 101, and 122).

The peculiar chalicelike plants and the arabesque cartouches used in the transverse bands are found on several Mamluk rugs and appear to be a part of the repertoire of Mamluk weavers.

PublishedKühnel and Bellinger 1957, p. 31 (
к7.12),pls. α and xvn. Ellis 1974, fig. 9.





128

Rug with large octagon

Wool: woven with red, green, blue, ivory, yellow pile

First quarter 16th century

Length: 1.97 m. (6 ft. 5 in.) Width: 1.53 m. (5 ft.)

Washington, D.C., The Textile Museum, R 16.2.8 Purchased 1932 This example represents a stylistic development in the almost square Mamluk rug with tripartite field and wide border. The rectangular bands above and below the central unit are narrower (one-sixth the height of the central unit) and create a slightly elongated center in contrast to the square format seen earlier; the border has a continuous pattern, which disregards the compartmentalized design. These features—together with the addition of ivory and yellow to the traditional red, green, and blue—suggest that the rug is later in date than the others. However, the employment of a concentric octagon as the main theme and the abundant use of floral motifs based on papyrus plants are traditional and follow the stylistic and decorative features of Mamluk rugs.

The nearly square central unit is almost completely covered by a large octagon with blue papyrus sprays on a red ground. In the center of each side is an eight-lobed medallion attached by a stem to an inner octagon. This octagon, filled with green lancet leaves on a red ground, encloses another identical element, decorated with red papyrus motifs on a green ground. Inside is a fourth octagon with an ivory medallion, its radiating flames rendered in yellow. In the center of the medallion is an eight-pointed star enclosing a minute octagon with a six-petaled rosette. The corner triangles have red papyrus sprays placed around octagonal units with yellow rosettes. Two scrolls of stylized lotus blossoms join the triangles at the top and bottom.

The transverse bands have additional papyrus motifs intermingled with heart-shaped motifs, split leaves, and blossoms, rendered in red on a green ground. A chevron band encircles the transverse bands; thin strips, filled with papyrus leaves, run vertically between the bands along the outer edges.

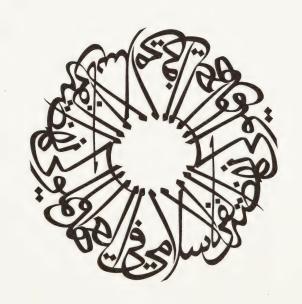
The border, executed in blue with touches of yellow on a red ground, displays an enlarged version of the motifs used in the transverse bands. Floral scrolls adorn the double guard borders: one has a blue papyrus on a red ground, the other shows blue and red leaves on a yellow ground.

The dynamism of the radiating units, evolving from an ivory core enclosed by a golden halo, creates a kaleidoscopic effect with brilliantly colored rings unequaled in any rug tradition. The elements evolve from an almost microscopic core and increase in size as they move outward. A similar centrifugal force is observed in illuminations of the Koran and can be interpreted as having cosmic implications and symbolizing celestial light. The color scheme of this carpet recalls the red, blue, green, and yellow stainedglass windows that burst into jewellike tones when lit by sunlight. Light is also an important factor in Mamluk rugs, for their appearance and design change as the rays of the sun and flicker of oil lamps play upon their surfaces.

Published American Art 1930, no. 730, Kühnel and Bellinger 1957, p. 37 (r 7.7), pls. 1 and XXI. Ellis 1974, fig. 11.



ILLUSTRATED MANUSCRIPTS



The first half of the thirteenth century was the classical age of illustrated Arabic manuscripts, with the studios of Baghdad, Mosul, and Damascus executing scores of literary and scientific texts embellished with paintings. The artists of Iraq and Syria appear to have continued producing illustrated books after the Mongol invasion of the 1250s even though many urban centers were destroyed and populations were uprooted. Although several manuscripts dated to the second half of the thirteenth century contain original compositions, most of the paintings copy those produced in the classical period. Included among the original works are the first illustrated version of al-Qazwini's voluminous treatise on cosmology, the Ajaib al-Makhluqat (Wonders of Creation), executed during the lifetime of the author in 1280 in Wasit, and the encyclopedic Rasail Ikhwan al-Safa (Epistles of the Sincere Brethern), completed in 1287 in Baghdad.

Attributed to Syria is a unique text called Muzhaf al-Suwar (Book of Images), illustrated in 1270 with crudely drawn personifications of the chemical elements.³ Also attributed to Syria is the Dawat al-Atibba (Banquet of the Physicians), an eleventh-century work by Ibn Butlan, which was adorned with eleven carefully executed illustrations in 1272.⁴ The paintings in this manuscript are the earliest dated examples of the Mamluk style that flourished in the fourteenth century.

Although about sixty illustrated Arabic texts are known to have been made during the Mamluk period, the provenance of only a few works can be determined and many have been assigned to Egypt, Syria, or Iraq without adequate documentation. The majority of these manuscripts are repetitive, that is, they are copies of texts such as al-Jazari's Kitab fi Marifat al-Hiyal al-Handasiyya (Book of Knowledge of Ingenious Mechanical Devices, popularly called the Automata), al-Hariri's Maqamat (Assemblies), and Ibn al-Muqaffa's Arabic translation of the animal fables Kalila wa Dimna. Their paintings represent subjects established in the classical period with few iconographic innovations. In the second half of the fourteenth century texts on furusiyya, that is, horsemanship, began to be illustrated and these soon became one of the popular books copied in ensuing years. The furusiyya genre is concerned with the art of warfare; it is unique to the Mamluks and characteristic of their militaristic society.

The most original Mamluk manuscripts are the epic histories written in Turkish that appeared at the end of the fifteenth century. They were illustrated by a group of foreign artists who most likely immigrated from the Turkman courts at Shiraz and Baghdad.

Imperial patronage, so lavishly bestowed upon architecture, religious texts, metalwork, glass, and other luxury arts, is lacking in Mamluk painting. The most beautiful illustrated manuscripts, such as the Vienna *Maqamat*, were undoubtedly executed for the court, but none bear dedications to those sultans who were otherwise celebrated for commissioning spectacular Korans.

The dedications of illustrated manuscripts indicate that they were made for a handful of second generation mamluks, most of whom are

not known historically. These patrons, born Muslims, were raised in an Islamic society and absorbed its culture. In contrast, their fathers who constituted the ruling elite, the *arbab al-suyuf*, men of the sword, were of Turkish or Circassian origin and had been purchased outside the Islamic world. Arabic was a foreign language to the military oligarchy, whose members did not show a keen interest in literary activities.

It would be unjust to accuse the Mamluks of being nonintellectual since they did sponsor works on geography, history, theology, and various sciences. Some sultans, including Barsbay, Jaqmaq, Qaitbay, and Qansuh al-Ghuri, were bibliophiles and commissioned a number of illuminated books for their personal libraries. In contrast to the neighboring courts of the Ilkhanids, Jalairids, Muzaffarids, Akkoyunlus, Karakoyunlus, Timurids, and Ottomans in Iran, Iraq, and Turkey, patronage of court painters was not one of the outstanding contributions of the Mamluks. The only exception was Sultan Qansuh al-Ghuri, who not only commissioned literary texts but illustrated manuscripts as well.

Bahri Period (1250–1390)

The majority of Bahri period illustrated manuscripts were executed during the sultanates of Nasir al-Din Muhammad (1293–1341, with interruption), Hasan (1347–61, with interruption), and Shaban II (1363–76), who were among the most enthusiastic patrons of art in Mamluk history. Although these three sultans were not directly responsible for any particular illustrated manuscript, their reigns witnessed an extraordinary burst of artistic energy, the effect of which was felt on the production of book painting.

Among the earliest illustrated Mamluk manuscripts are five copies of the *Maqamat*, a literary text devoted to the escapades of Abu Zayd and his friend al-Harith. Fifty of these stories, called *maqama* (seances or sessions), were compiled in the twelfth century by al-Hariri and became the most popular Arabic text to be illustrated in the first half of the thirteenth century. Two of the Mamluk copies were produced around 1300 and are now in the British Library. One bears the name of the painter Ghazi ibn Abd al-Rahman al-Dimashqi (that is, from Damaseus). A third work, dated 1323, also in the British Library, is unfinished and many scenes are merely sketched.

The paintings in these early Mamluk manuscripts reveal a refined style, which is fully developed in a version of the *Maqamat* copied in 1334 by Abu'l-Fadail ibn Abu Ishaq now in Vienna (no. II). The frontispiece of this manuscript represents an enthroned ruler with inscribed *tiraz* bands on his turban and robe. The high quality of execution, the abundant use of gold leaf, and the brilliantly textured garments suggest that this work may indeed have been made for the sultan.

A fifth illustrated copy of the *Maqamat*, dated 1337, was the last to be produced in the Mamluk period.⁷ This manuscript, which is at Oxford, bears a dedication to Nasir al-Din Muhammad, son of a "high

official" named Husam al-Din Tarantay; unfortunately, neither the patron nor his father have been identified in historical sources. The paintings in the first three manuscripts, attributed to Syria, follow the compositional schemes and figure types established in the classical period; those in the remaining two versions, assigned to Egypt, are highly decorative, and serve as embellishments to the text rather than as visual commentaries.

The next group of manuscripts consists of copies of the Automata written by al-Jazari for Nasir al-Din (1201–22), the Artukid sultan of Diyarbakır. The work is devoted to the construction of fifty mechanical devices, including clocks, drinking vessels, pitchers, and basins, as well as fountains and other hydraulic devices. The first illustrated version of this text was rendered from the author's autograph in 1206, and all later copies remained faithful to the representations found in this manuscript. Although the illustrations of the Automata were meant to depict scientific instruments, they are basically paintings of automated toys, which became very popular in the fourteenth and fifteenth centuries.

More than a dozen illustrated copies of the Automata were produced during the Mamluk period, the earliest of which was completed in 1315 by Farrukh ibn Abd al-Latif (no. I). This manuscript, formerly in the Kevorkian Collection, is now dispersed among several public and private collections. Two other versions were made in the Bahri period. One of these appears to have been illustrated in the second half of the thirteenth century. The other is dated 1354 and was copied by Muhammad ibn Ahmad al-Izmiri (from İzmir) for another Nasir al-Din Muhammad, son of the ''late excellency Tulaq al-Hasani al-Maliki al-Salihi.'' The patron's father was a well-known figure who served as a military judge under Sultan Hasan and Sultan Salih. The provenance of these three copies of the Automata cannot be determined with certainty; it is thought that the 1354 manuscript was produced in Egypt.

Around the time that the Automata was being made for Tulaq's son, there occurred a revival of a third group of illustrated manuscripts, copies of the Kalila wa Dimna. This work, a compilation of fables thought to have been written down about the year 300 by an Indian Brahman named Bidpai, was first translated into Pahlavi and then rendered into Arabic by Ibn al-Muqaffa around 750. Ibn al-Muqaffa's version was the source for subsequent translations into dozens of Eastern and Western languages. The book narrates ethical tales enacted by animals, including two jackals named Kalila and Dimna, which teach just behavior to kings. A copy at Oxford was transcribed in 1354 by Muhammad ibn Ahmad (no. 111); an undated second version now in Paris was produced about the same time; a single folio of a third contemporary manuscript has also survived. 11 The paintings in these works contain naïvely charming representations of animals in simplified compositions, which recall the first illustrated version of the Kalila wa Dimna produced between 1200 and 1220, possibly in Syria. 12

Books on animals were unusually popular during the Bahri Mamluk period. For instance, painters created sensitive representations of animals in the Sulwan al-Muta (Prescription for Pleasure), originally written in 1159 by Ibn Zafar al-Sigilli (the Sicilian), inspired by the fables in the Kalila wa Dimna. One illustrated copy of this text is known to have been made in the second quarter of the fourteenth century. ¹³ Another singular manuscript produced a few decades later was the Kitab al-Hayawan (Book of Animals), a ninth-century treatise on zoology and animal behavior written by al-Jahiz. Its anonymous fourteenth-century painter was particularly taken by the reproductive habits of his subjects. ¹⁴

A related work, the Kitab Manafi al-Hayawan (Book on the Usefulness of Animals), was composed and transcribed in 1354 by Ibn al-Durayhim al-Mawsili, who died six years after completing the text. 15 The paintings in this book are exceptional: the delicate execution of domestic and wild animals, birds, fish, reptiles, and insects reveals both an observation of nature and inspiration from Central Asian and Far Eastern styles, which is particularly noticeable in the calligraphic use of line and the painterly handling of pigments. Flowers, birds, and animals are also discussed in the Kashf al-Asrar (Disclosure of Secrets) of Ibn Ghanim al-Maqdisi, a copy of which was illustrated in the middle of the fourteenth century. 16

The provenance of these manuscripts devoted to animals cannot be precisely determined and the works themselves offer no clues. The patrons' names are not provided and the cities in which the calligraphers and painters worked are not mentioned.

An even more problematic group of manuscripts consists of copies of the Arabic translation of *De Materia Medica* of Dioscorides, devoted to the pharmaceutical uses of plants, and the *Ajaib al-Makhluqat* of al-Qazwini, first illustrated in 1280. There are three copies of *De Materia Medica*, one of which is thought to have been made in the late thirteenth century, another is dated 1301, and a third was completed in 1334. The paintings in these manuscripts are generally attributed to Iraq, but they could very well have been made in the Mamluk world. A similar work is the *Masalik al-Absar fi Mamalik al-Ansar (Ways of Seeing the Chief Cities)*, the twelfth volume of an encyclopedia composed by al-Umari who died in 1349. It contains illustrations of animals and plants, recalling the subjects treated by both Dioscorides and al-Qazwini. This work, attributed to Egypt or Syria, must have been produced shortly after it was written.

The paintings in three copies of al-Qazwini's cosmology are attributed to either Egypt or Iraq and are assigned to the third quarter of the fourteenth century or to the fifteenth century. The earliest manuscript of the series is thought to be the one divided between the Freer Gallery of Art in Washington, D.C., and the Spencer Collection of the New York Public Library; the second is in Leningrad; and the third in Dublin. ¹⁹ The paintings in these manuscripts form a coherent group; their style is unlike that of contemporary illustrations

produced in Egypt. Syria, and Iraq and is also completely different from the representations found in the 1280 copy of the same work. It is not yet possible without further documentation to more specifically assign this group.

The production of secular manuscripts in the middle of the fourteenth century was highly energetic and included the illustration of texts previously enhanced with paintings as well as those that did not have pictorial prototypes. Although several books, such as the Sulwan al-Muta and Kitab Manafi al-Hayawan, were adorned with paintings for the first—and often only—time, the repertoire of pictorial themes was often taken from other illustrated texts.

Among the more unusual mid-fourteenth-century paintings are those illustrating an anonymous treatise on musical instruments entitled *Kashf al-Gunum*.²⁰ This work, which contains representations of single musicians, quartets, and a seven-piece chamber orchestra, is undated but bears a dedication to Sayf al-Din Abu Bakr, the son of the "late excellency" Minglibugha, an unknown descendant of an unidentifiable former mamluk.

The most original illustrated work of the second half of the fourteenth century was the Nihayat al-Su'l wa'l-Umniyya fi Taallum Amal al-Furusiyya, the cumbersome title of a manual that roughly translates as "all that one needs to know about the exercises of horsemanship." The author, al-Aqsarai (died 1348), wrote the treatise in Damascus where he was trained by the famous masters of furusiyya. The earliest illustrated version of al-Aqsarai's text was copied in 1366 by Umar ibn Abdallah (no. IV). The dedication, which was partially covered about a century later by the ex libris of Sultan Jaqmaq. contains the titles "al-Maliki al-Ashrafi," indicating that the original patron was an amir in the service of Shaban II. The paintings in this manuscript represent riders demonstrating the use of various weapons.

A second version of the same text was copied by Ahmad ibn Umar in 1371: a third example was executed in 1373 by Ahmad al-Misri in Damascus. ²¹ A manuscript in the British Library, dated 1383, was copied by Ali ibn Hamid who left blank spaces for illustrations. ²² The date of this work indicates that it was produced during the reign of Barquq, the first of the Burji Mamluks.

Burji Period (1382–1517)

The illustrated manuscripts executed during the last two decades of the fourteenth and first half of the fifteenth century are copies of such well-established books as the *Kalila wa Dimna*. Automata. and manuals on furusiyya. At least four versions of Ibn al-Muqaffa's Kalila wa Dimna were produced in the late fourteenth century, the earliest of which, now in Cambridge, is dated 1388. The paintings in this work and in two manuscripts in Munich are based on mid-fourteenth-century renditions and repeat the same scenes. ²³ Of these manuscripts, the 1388 Kalila wa Dimna has the most extensive picture cycle with

120 paintings; it is written on parchment, which is unusual for Mamluk manuscripts.

The Automata was copied and illustrated until the end of the Burji period. A volume made in 1458 has schematic illustrations; another, completed in 1485, contains only diagrams and sketches; a third, with sketchy illustrations, bears the date 1486.²⁴ Three undated copies of the Automata in Cairo, Dublin, and Paris, also may have been produced in the fifteenth century and contain mostly drawings and diagrams.²⁵ Yet another undated work in İstanbul is perhaps the earliest of these Burji period manuscripts; it is of high quality and adorned with 152 carefully rendered illustrations.²⁶

Works on furusiyya, which first appeared in the third quarter of the fourteenth century, and other texts devoted to the subject of horses were also illustrated in this period. A copy of the Kitab al-Zardaqa (Book on Farriery) in Istanbul was dedicated to Yalbay Mirkhanibay al-Hamzawi, who is thought to have been in the service of Sultan Barsbay.²⁷ An undated and poorly illustrated version of al-Aqsarai's treatise on horsemanship, now in London, as well as a copy in Istanbul, were most likely made in the fifteenth century. 28 A related treatise, the Kitab fi Ilm al-Furusiyya of al-Rahman, is dated 1396 and contains diagrams of military tactics; another work on horsemanship, by al-Tabari was completed in 1466.29 The paintings in the second manuscript follow a completely different representational cycle than that in al-Aqsarai's manual; it has sixty-one extremely naïve and crude paintings, which repeat the compositions found in an undated copy dispersed between the Keir Collection in London (thirty-one paintings) and the Museum of Islamic Art in Cairo (three paintings).30

The paintings in the dispersed manuscript, executed by a single hand, illustrate various weapons and depict the use of different types of military equipment in war exercises. Their style points to an area outside the Mamluk world and shows affinities with the paintings of the Karakoyunlu Turkman school. The artist must have emigrated to the Mamluk court in the middle of the fifteenth century and illustrated this furusiyya text around the 1460s. Another illustrated furusiyya written by Ibn Akhi Khuzam was copied in 1470.³¹ The paintings of this manuscript were executed by local artists and follow the fourteenth-century Mamluk themes established by the 1366 copy of al-Aqsarai's treatise and do not show the impact of the Karakoyunlu style.

The painter of the Keir Collection furusiyya apparently did not come alone to the Mamluk court. Members of the same Karakoyunlu Turkman school also illustrated the unique Iskandarnama (Book of Iskandar or Alexander the Great) of Ahmedi.³²

Written in Turkish, this work was dedicated to an official named Khushqadam ibn Abdallah, who was the treasurer of Sayfi Ali Bay, the secretary (dawadar) of Sultan Timurbugha. Although undated, it must have been produced during Timurbugha's two-month sultanate, between December 1467 and January 1468; the work is now in the

Istanbul University Library. The author, Ahmedi (1334?–1413), was a native of Anatolia who was educated in Cairo. Ahmedi returned to his homeland before 1390, at which time he composed the *Iskandarnama*, which recalls the Alexander cycles in the Persian poems of Firdausi and Nizami. The copy made for Khushqadam ibn Abdallah is among the first illustrated versions of this work, which was extremely popular in the Turkish Islamic courts.³³

The İstanbul Iskandarnama contains twelve paintings, including a diagram of the constellations of the zodiac. The manuscript opens with a frontispiece respresenting an enthroned ruler entertained by his court, following the format of fifteenth-century Karakoyunlu Turkman manuscripts. The remaining paintings depict the wisdom, loves, hunts, and battles of the hero, concluding with his death and funeral procession. The figures and their settings, as well as the compositions, are taken from almost contemporary manuscript illustrations produced in Baghdad and Shiraz under the patronage of Pir Budak, the Karakoyunlu prince.

Pir Budak was given the rule of Fars in southern Iran by his father, Jahan Shah (1439–67), the Karakoyunlu sultan. The prince was an enthusiastic patron of illustrated books and established a court studio in Shiraz, which was enriched by artists from Herat after the conquest and brief occupation of that city by the Karakoyunlus in 1458. Pir Budak's independent attitudes threatened his father who defeated him in 1462 and forced the prince to move his court to Baghdad. He was killed by Jahan Shah in 1466 and his painting studio was dispersed. The dates of Pir Budak's political problems and ultimate death coincide with the appearance of the Turkman style in Cairo, indicating that some of the artists of his court sought employment in the Mamluk capital.

The Iskandarnama is extremely important for several reasons. Primarily, it proves that a group of Turkman artists came to Cairo at the end of the 1460s and were immediately employed, establishing a new school of painting; secondarily, it indicates the beginning of the genre of Turkish historiography, which reached its epitome under the Ottomans several generations later; finally, it is the earliest illustrated copy of Ahmedi's celebrated work and contains paintings specifically created for this text. Furthermore, it points to an interesting development in which illustrated works written in Turkish were beginning to be sponsored by the Mamluk court.

The first ruler to show any interest in this type of historical text was Sultan Barquq, who had commissioned Darir of Erzurum to compose in Turkish a voluminous biography of the Prophet Muhammad. Darir's Siyar-i Nabi, completed in 1388, was illustrated at the end of the sixteenth century at the Ottoman court, with Barquq's patronage commemorated in the frontispiece, which represents the author presenting the book to the Mamluk sultan.³⁴

Turkman artists, and possibly their local apprentices, were employed by Sultan Qansuh al-Ghuri in the creation of another unique

manuscript, the first Turkish translation of the *Shahnama* of Firdausi. the epic history of Iran (no. v). One of the artists of the *Shahnama* also painted the frontispiece of an undated anthology of Turkish poems commissioned by the same sultan. The scene shows two officials flanking an enthroned personage, who possibly portrays the patron of the work.³⁵

Qansuh al-Ghuri was the first and the last Mamluk sultan to show an active interest in painting. This new development in the patronage of literature and painting at the Mamluk court came to an untimely end with the Ottoman conquest of Egypt and Syria. The personal libraries of the last sultans, including those of Qaitbay and Qansuh al-Ghuri, were shipped to İstanbul. The painters of the last Mamluk court must have been taken to the Ottoman capital, where they joined the imperial painting studio.

Sultan Selim's booty must have included the unusual Mamluk playing cards now in the Topkapı Palace Museum in İstanbul. ³⁶ These forty-eight cards are from two incomplete decks arranged in four suites of coins, cups, polo sticks, and swords with their face-value or number cards represented by multiplication of the motifs. These cards must have been used in gambling, games, and in fortunetelling, the rules and procedures of which are still unknown.

The production of illustrated manuscripts virtually ceased in Egypt and Syria after the Ottoman conquest. There were sporadic revivals of the popular Arabic texts, but the illustrations show little artistic merit.³⁷

In spite of the lack of strong and continued imperial patronage. Mamluk artists produced the most refined examples of postclassical painting in the Arab world. They excelled in the representation of animals, particularly notable in manuscripts dating from the middle of the fourteenth century, and created new themes in their illustrations of the furusiyya manuals. Conceived as book decorations, meant to be enjoyed for their beautiful colors, rich textures, and charming figures, Mamluk painting did not require the reading of the text to be appreciated. In this context, the painters were true decorators, embellishing the manuscripts in the same manner as illuminators.

Votes

- Munich, Bayerisches Staatsbibliothek, Cod. Arab. 484 (Ettinghausen 1962, pp. 138–39).
 Istanbul, Süleymaniye Library, Esad Efendi.
- Istanbul, Süleymaniye Library, Esad Efend: 3638 (Ettinghausen 1962, pp. 98–102).
- Istanbul, Archaeological Museum Library, 1574 (Ettinghausen 1962, pp. 59–60).
- 4 Milan, Biblioteca Ambrosiana, A. 125 Inf. (Haldane 1978, pp. 76–77).
- London, British Library, Add. 22114 (Ettinghausen 1962, p. 146; James 1976, fig. 21; Haldane 1978,
 pp. 67-71); same collection, Or. 9718, painted by Ghazi ibn Abd al-Rahman (Haldane 1978, pp. 62-63)
- 6 London, British Library, Add. 7293 (Haldane 1978, pp. 64–65).
- Oxford, Bodleian Library, Marsh 458 (Ettinghausen 1962, p. 152; James 1976, fig. 21; Haldane 1978, pp. 83–84).
- Istanbul, Topkapi Palace Museum, A, 3472
 (8tchoukine 1934; Holter 1937a, no. 10; Buchthal 1940, no. 10).
- 9. Istanbul, Topkapı Palace Museum, A. 3461.
- 10 The bulk of the copy dated 1354 is in Istanbul. Süleymaniye Library, Aya Sofya, 3606, and has fourteen paintings; about twenty-two other paintings have been removed and are now in various private and public collections (Atıl 1975, no. 52; Haldane 1978, p. 55).
- 11 Paris, Bibliothèque Nationale, Arabe 3467 (Ettinghausen 1962, p. 155; Haldane 1978, pp. 95–99). The single folio is in Cambridge University Library (Walzer 1957).
- Paris, Bibliothèque Nationale, Arabe 3465 (Holter 1937a, no. 26; Buchthal 1940, no. 26; Ettinghausen 1962, no. 62–63)
- 13 The bulk of the manuscript is now in a private collection in Kuwait (Haldane 1978, pp. 59–60; see also George v 1975, no. 131). Two folios are owned by Washington, D.C., Freer Gallery of Art. 54.1 and 54.2 (Attl 1975, nos. 53–54); a third folio is in Geneva, Sadruddin Aga Khan Collection (Welch 1978, vol. 3, A.M. 4).
- Milan, Biblioteca Ambrosiana, s.p. 67 (Löfgren and Lamm 1946; Ettinghausen 1962, p. 157; Haldane 1978, pp. 78–80).
- Madrid, Escorial Library, Arabe 898 (Lorey 1935;
 Ettinghausen 1962, p. 3; James 1976, fig. 23;
 Haldane 1978, pp. 50–51).
- Istanbul, Süleymaniye Library, Lala Ismail, 565 (Ettinghausen 1962, pp. 159-60; Haldane 1978, pp. 52-53).
- 17 The late-thirteenth-century copy is dispersed among Paris, Bibliothèque Nationale, and several other collections (Grube 1959, p. 179, no. x, fig. 18). The work dated 1301 is in Leiden, University Library, Cod. 289 Warn (Buchthal 1940, p. 163, no. 3); while the other, completed in 1334, is in London, British Library, Or. 3366 (Grube 1959, p. 180, no. xii).
- Alexandria, Municipal Library, 3355 (Farès 1952; Haddane 1978, p. 41). Farès mentions two other manuscripts on herbaria, one of which is in a private collection in Mosul, and the other in Princeton. University Library, 1064.

- 19. Washington, D.C., Freer Callery of Art, 54.33-114 and 57,13; New York, Public Library, Spencer Collection, Ms 45 (Atil 1975, nos. 55-70). This manuscript is also attributed to early-fifteenth-century Diyarbakır (Badice 1980). Leningrad, Academy of Sciences; and Dublin, Chester Beatty Library, Ms 128 (Atil 1975, p. 150, notes 31-32). Belonging to this series is a fifteenth-century folio in Oxford, Ashmolean Museum (London 1976, no. 546). Another copy in London, British Library, Or. 4701, attributed to Egypt, late fifteenth century (London 1976, no. 577), appears to be closer in style to sixteenth-century Safavid works.
- İstanbul, Topkapı Palace Museum, A. 3465 (Karatay 1962-69, no. 7424)
- 21. The work dated 1371 is in London, British Library, Add, 18866 (Smith 1979). The second furusiyya manuscript, dated 1373, is in Istanbul, Topkapi Palace Museum, A. 2651 (James, 1974a, figs. 3 and 8 Haldane 1978, p. 58).
- 22. London, British Library, Add. 23487 (James 1974a, p. 74). There may have been a copy of the same work dated 1398 in Cairo, National Library, which is now lost (James 1974a, p. 74). For a study of the extant manuscripts see Tantum 1979.
- 23. Cambridge, Corpus Christi College, Ms 578 (Haldane 1978, pp. 44-46). Munich, Bayerisches Staatsbibliothek, Cod. Arab, 616 and 617 (Haldane 1978, pp. 81-82). The fourth copy is in a private collection.
- 24. The copy dated 1458 is in İstanbul, Topkapı Palace Museum, a. 3350. This manuscript appears to have been photographed and deposited in Cairo, National Library, Riyada 486 (Haldane 1978, p. 42). The copy dated 1485 is in Paris, Bibliotheque Nationale, Arabe 2477 (Haldane 1978, p. 89). The copy dated 1486 is in Oxford, Bodleian Library, Greaves 27 (Haldane 1978, p. 88).
- 25. Cairo, National Library, Riyada 668 (Haldane 1978, p. 43). Dublin, Chester Beatty Library, Ms 4187; this work bears a date, 1329, added at a later period (Haldane 1978, p. 47). Paris, Bibliothèque Nationale, Arabe 5101, with blank spaces left for illustrations (Hill 1974, p. 5, no. 10).
- 26. Istanbul, Торкарі Palace Museum, н. 414
- 27. Istanbul, University Library, A. 4689 (Edhem and Stehoukine 1933, no. XLIII: James 1976, fig. 34). Another book on horses, the *Baylarnama*, is recorded as being in Cairo, National Library, 49 (Holter 1937a, no. 74).
- London, British Library, Or. 3631 (Mostafa 1970) 71.
 pls. 3, 19; Haldane 1978, p. 61). Istanbul.
 Süleymaniye Library, Aya Sofya, 4197 (James 1974a, p. 73, note 3; Haldane 1978, p. 48, note;
 Tantum 1979, p. 201, note 2).
- Al-Rahman's work is in İstanbul, Topkapı Palace Museum, A. 3467; al-Tabari's manuscript, same collection, R. 1933 (Karatay 1962-69, no. 7416; Mostafa 1970-71, pls. 24, 26, 28, 30, 32, 34, 36, 38, and 41-44).
- London, Keir Collection (Mostafa 1970-71, pls. 23, 25, 27, 29, 31, 33, 35, and 37; Grube 1976a, n.7 37 pls. 4 and 12; Haldane 1978, pp. 72-73); Cairo, Museum of Islamic Art, 18019 and 18035-36 (Mostafa 1958, p. 39).
- Paris, Bibliothèque Nationale, Arabe 2824 (Haldane 1978, pp. 90–92).
- İstanbul, University Library, r. 6044 (Edhem and Stehoukine 1933, no. XLIV; İnal 1976, figs. 21–22).

- 33. The earliest illustrated version of this work was produced in Amasya in 1416, a few years after the death of Ahmedi (Atıl 1980, pp. 155 and 234, notes 10–11.
- 34. This work, conceived in six volumes, was completed in 1594/95. The volumes are in İstanbul, Topkapı Palace Museum, H. 1221-23; Dublin, Chester Beatty Library, Ms 419; and New York, Public Library, Spencer Collection, Ms 3 (Atıl 1980, pp. 206-7, figs. 100-101).
- Berlin, Staatsbibliothek, Ms. or. oct. 3744
 (Stchoukine 1971, no. 111; Berlin 1980, no. 017).
- 36. İstanbul, Topkapı Palace Museum, YY. 1066 (Mayer 1971; Ettinghausen 1974). Other unusual Mamluk illustrations are sketches: one of them represents prisoners, Cairo. Museum of Islamic Art. 15688 (Cairo 1969, no. 278, fig. 50): another depicts a battle scene. New York, Metropolitan Museum of Art, 1975.360; and a third has a mounted falconer. London, Keir Collection (Ettinghausen 1974, fig. 33).
- 37. The following manuscripts are difficult to identify but were probably made in Egypt or Syria Automata, dated 1561, Leiden, University Library Or. 656 (Hill 1974, p. 4, no. 2); Automata, sixteenth century, Leiden, University Library, Or. 117 (Hill 1974, p. 4, no. 3): Automata. dated 1638, Oxford, Bodleian Library, Frazer 186 (Haldane 1978, p. 87) Magamat, seventeenth century, Manchester, John Rylands University Library, Arabe 680 (James 1976) fig. 29); Kitab al-Baytara, dated 1578, Paris, Bibliothèque Nationale, Arabe 2826 (Haldane 1978 pp. 93-94): Ajaib al-Makhlugat, mid sixteenth century. İstanbul. Topkapı Palace Museum, н. 408 (Karatay 1962-69, no. 7172); Ajaib al-Makhlugat. eighteenth century, Munich, Bayerisches Staatsbibliothek, Cod. Arabe 462 (Ettinghausen 1962, p. 181): Kalila wa Dimna, dated 1672. Manchester, John Rylands University Library Arabe 487 (James 1976, fig. 35); and Kalila wa Dimna, eighteenth century, İstanbul, Archaeological Museum Library, 344 (Ettinghausen 1962, p. 81). One of the more interesting works made in Cairo is the 1567 copy of the Hümayunnama, a Turkish version of the Kalila wa Dimna, translated by Ali Celebi, in İstanbul, Торкарı Palace Museum, н. 359 (Inal 1976). The provenance of another work, the Qanun al-Dunya wa Ajaibha (Order of the World and Its Marvels) of Ahmad ibn Ali, dated 1563, is generally given as Egypt due to the representation of a number of Cairene monuments. However, since the work also depicts other cities of the Islamic world, such as Mecca, Jerusalem, Baghdad, Damascus, and İstanbul, it could have been produced in any provincial Ottoman center. This work is in Istanbul. Topkapı Palace Museum. R. 1638 (Ettinghausen 1962, p. 180; James 1976, fig. 30; Haldane 1978, pp. 56-57).

Since the paintings from the Automata, Maqamat, Kalila wa Diama, Nihayat al-Su'l wa'l Umaiyya, and Shahaama are represented by color reproductions in the exhibition, they are illustrated in black-and-white in the catalogue. Kitab fi Marifat al-Hiyal al-Handasiyya of al-Jazari

Copied by Farrukh ibn Abd al-Latif al-Katibi al-Yaquti al-Mawlawi, December 28, 1315

Height: $31.4 \text{ cm } (12\frac{3}{8} \text{ in.})$ Width: $21.9 \text{ cm.} (8\frac{5}{8} \text{ in.})$

Written in naskhi script: 21 lines, 173 known folios, 122 known paintings, 9 diagrams

Dispersed among several collections

Fig. 1. The Clock of the Drummers (Washington, D.C., Freer Gallery of Art. 42.10b).



الْقَصْ الْ الْمَالْكُ فَى فَى كِينَيْ الْمَالَاتِ اللَّا أَوْعَهُلَ كَا فَعُمُلَ الْمُوانِ وَلَهُ هَدُهُ اللَّهُوانِ وَخَفَدُ اللَّهُ وَلَهُ هَدُهُ اللَّهُوانِ وَخَفَدُ اللَّهِ اللَّهُ الللللَّهُ الللَّهُ اللَّهُ اللَّهُ اللَّهُ الللللَّا اللَّهُ اللللَّهُ الللَّا الللَّهُ اللَّلْمُ اللَّهُ الللللَّا الللَّهُ اللللّ

The Kitab fi Marifat al-Hiyal al-Handasiyya (Book of Knowledge of Ingenious Mechanical Devices), commonly called the Automata, was composed by Badi al-Zaman ibn al-Razzaz al-Jazari and dedicated to Nasir al-Din (1201–22), the Artukid sultan of Diyarbakır in southeastern Anatolia. The work is an engineering treatise devoted to the construction of fifty mechanical devices grouped under six categories. Each device is described in a separate chapter divided into sections that give instructions on how to build its diverse components.

The first category contains ten clocks (fig. 1): the second describes ten drinking vessels (fig. 2): the third is comprised of ten automated ewers and basins used for bloodletting or handwashing (figs. 3–4): the fourth has ten chapters on the construction of fountains and other hydraulic systems: the fifth includes five similar machines: and the last gives instructions for making five miscellaneous devices, such as an automated palace gate, protractor, alarm clock, and locks and bolts. In the introduction to the work, al-Jazari mentions that he has provided 173 illustrations, including a diagram for each section.

The earliest copy of the Automata was produced in 1206 from the autograph of al-Jazari who must have completed his work before this date. This manuscript, now in the Topkapı Palace Museum. was transcribed by Muhammad ibn Yusuf ibn Uthman al-Haskafi (from Hasankeyf near Divarbakir) and contains 179 folios with 60 illustrations, which became the models for all later copies. It must have been available to an anonymous thirteenth-century artist who used similar paintings and diagrams in his undated work, which has 211 folios with 143 illustrations.2 One of these manuscripts was used by Farrukh ibn Abd al-Latif. who copied and most likely illustrated the same text dated the last day of Ramadan 715 corresponding to December 28. 1315. This version—originally in Istanbul, then in New York in the Kevorkian Collection, and recently sold in London-contains 150 folios with 98 paintings, 9 diagrams, and the colophon.3 Twenty-three folios with paintings removed from the manuscript in the 1930s are presently in diverse public and private collections. Since the colophon of the work appears on folio 207, the manuscript originally had that many folios with at least 130 paintings and diagrams

The provenance of the 1315 Automata has not yet been determined and the manuscript has been attributed by different scholars to Diyarbakır. Damascus, and Cairo. It is thought to be the second oldest copy of al-Jazari's treatise, based on a notation in the manuscript stating that this is a copy of a copy of the autograph, that is, a copy of the 1206 version; but the same statement is also found on several later renditions of the Automata.

The illustrations in the 1315 Automata are among the most refined examples of Mamluk painting. The diagrams included in the sections

are clearly drawn and the paintings of the completed automata, which appear at the beginning of each chapter, are not only structurally correct but also conceived as independent compositions rendered in brilliant colors and embellished with rich decorative motifs. The artist uses shading in his figures, attempting to render volume while remaining true to his subject.

The second chapter of category one, describing the clock of the drummers, shows a group of musicians below the parapet of a castle (fig. 1). At every hour the discs above the parapet change color, the figure on the parapet moves over one crenelation, the eagle in the center leans forward to drop a ball into a vase, which rings a chime, and the musicians below play their instruments. The instruments include trumpets, drums, cymbals, and a double drum, recalling those used by the tablakhana, the Mamluk military band.

The ninth chapter of category two contains a whimsical device with two elderly <code>shaykhs</code>, holy men, holding beakers and wine bottles while sitting in a domed pavilion (fig. 2). At given intervals one <code>shaykh</code> pours wine into the beaker of his companion, who drinks it and nods his head in contentment. Then the other <code>shaykh</code> offers his friend a drink, who takes it and nods. This automated toy has four feet and was meant to be placed on a table.

Described in the sixth chapter of category three is a more serious and functional device: a basin used to measure the amount of blood taken from a patient (fig. 3). The automaton has a platform with four columns placed above a large basin. As the blood collects in the basin, two scribes on the platform record the amount in dirhams (a measure corresponding to three grams) on a tablet or on the dies incised on the platform. The patient is bled until 120 dirhams accumulate in the basin and both scribes record that number.

Another basin used for handwashing is the subject of the tenth chapter in the same category (fig. 4). Similar to the device with drinking shaykhs, it is a domed pavilion resting on four feet; inside is a female figure holding a ewer and towel. When the bird on the dome whistles, water begins to pour from the spout of the ewer and collects in a basin attached to the pavilion; it is drunk by a duck and released into the tank under the servant. When the water in the tank rises to a certain level, it activates the arm of the figure, which extends the towel.

Many of the devices in the Automata are princely toys, meant to amuse the court while serving a functional use. Although there is no evidence that any of these machines were ever made, the entertainment provided by the illustrations made the Automata one of the most popular books in the Mamluk period.

Published
Aga-Oglu 1931.
Dimand 1955, p. 90.
Ettinghausen 1962, p. 93.
Grube 1962, nos. 7-8.
Sotheby 1967, nos. 17-18.
Sotheby 1969, nos. 19-20.
Sotheby 1970, no. 13.
Grube 1972, nos. 21-23.
Hill 1974, pls. 1-y. viii-xii, xiy-xviii, xx, xxii-xxiii, and xxvi-xxviii.
Attl 1975, nos. 44-51.
B. W. Robinson 1976, no. 4.
Grube 1976a, no. 11.6 and pl. 3.
Haldane 1978, pp. 74-75.
Sotheby 1978, no. 133.

Votes

- İstanbul, Topkapı Palace Museum, a. 3472 (Stchoukine 1934: Holter 1937a, no. 10: Buchtal 1940, no. 10). Some of the folios in this manuscript were repaired at a later date. Only twentyeight of the sixty illustrations represent human figures.
- 2. İstanbul, Topkapı Palace Museum. a. 3461.
- 3. Sotheby 1978, no. 133.
- 4. The known folios are in the following collections: Washington, D.C., Freet Gallery of Art, 30.71-77 and 42.10 (eight folios): New York, Metropolitan Museum of Art, 55.12.11-15 and 57.51.23 (six folios): Boston, Museum of Fine Arts, 31.124-26 (three folios): New York, Kraus Collection, nos. 21-23 (three folios): Cleveland, Cleveland Museum of Art, 45.383; Jerusalem, L.A., Mayer Memorial for Islamic Art; London, Keir Collection, no. 11.6.

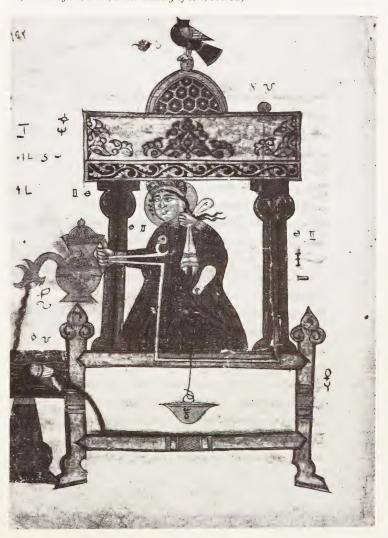
Fig. 2. Mechanical Device with Two Drinking Men (Washington, D.C., Freer Gallery of Art, 30.77a)



Fig. 3. The Basin of the Two Scribes (Washington, D.C., Freer Gallery of Art, 30.76a)



Fig. 4. The Basin of the Servant (Washington, D.C., Freer Gallery of Art, 30.75a)



11

Maqamat of al-Hariri Copied by Abu'l-Fadail ibn Abu Ishaq, March 29, 1334

Height: 37.0 cm. (14% in.) Width: 25.5 cm. (10 in.)

Written in naskhi script: 13 lines, 195 folios, 70 paintings

Vienna, Nationalbibliothek, A.F. 9



Fig. 6. Tavern Scene (fol. 42b)

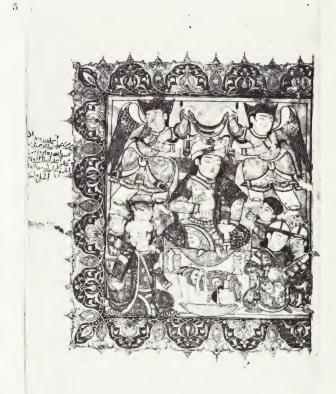
Fig. 7. Abu Zayd Delivers a Sermon in a Mosque (fol. 95b)

Fig. 8. Abu Zayd Gives a Lecture in a School (fol. 170b)

The Maqamat, which consists of short satirical stories edged with social criticism, is among the earliest examples of the Arabic belles-lettres tradition. The stories relate the escapades of Abu Zayd, a roguish hero whose linguistic abilities enable him to swindle people and evade punishment, and his dimwitted friend, al-Harith, who narrates these picaresque episodes. About four hundred of these stories, some of which date to the eighth century, were compiled by al-Hamdhani around the year 1000. Fifty of the maqama were written down by al-Hariri (1054–1122), whose work became the most widely copied and illustrated version in the thirteenth and fourteenth centuries.

The first illustrated copies of al-Hariri's *Magamat* were produced in the early decades of the thirteenth century: one undated version is assigned to the second quater of the thirteenth century and a second, attributed to Syria, was completed in 1222.¹ Two other illustrated manuscripts, attributed to Baghdad, were made in the 1230s and contain the most elaborate paintings.² An equally refined version was produced between 1242 and 1258 for al-Mustasim, the last Abbasid caliph of Baghdad.³ Another copy, with considerably weaker illustrations, is dated 1256.⁴

The figure types and settings established by these six manuscripts produced in Syria and Iraq between the 1220s and 1250s were used as models by fourteenth-century Mamluk painters. The most striking Mamluk copy was transcribed by Abu'l-Fadail ibn Abu Ishaq in Rajab 22, 734 (March 29, 1334). Although the manuscript does not bear a dedication, its meticulously detailed illustrations painted on gold leaf suggest that it was produced for the court. The scenes are highly decorative with doll-like figures attired in beautiful garments placed within interior or exterior settings, indicated by such simple devices as arches, curtains, or sprays of flowers. The compositions are simplified, with groups of conversing figures filling the picture frame. The paintings are purely decorative, devoid of action, drama, and pictorial narrative. In this sense they recall the figural compositions of early Mamluk metalwork and enameled and gilded glass (see nos. 20–21).









The work opens with a frontispiece representing an enthroned ruler entertained by his courtiers (fig. 5). The ruler sits crosslegged on a high throne, holding a beaker and handkerchief; he wears a turban, moirépatterned robe accented with gold bands, and short-sleeved coat decorated with arabesques. Inscriptions appear on his turban and sleeves. A pair of crowned angels holds a scarf over his head. Flanking the prince are six courtiers with round faces and almond-shaped eyes who wear turbans and brimmed hats with feathers; the foremost figures play a lute and flute. In the foreground an acrobat performs with a large circular basin. The garments of the figures and the throne are embellished with various moiré designs and floral arabesques. Even the ears of the figures are decorated with florets, a feature observed throughout this manuscript. The composition is two dimensional with no attempt made to provide a sense of depth or volume.

A similar decorative quality is observed in the illustration of the twelfth *maqama*, which represents six figures in a tavern (fig. 6). The setting is indicated by curtains, beakers, bottles, and a large bowl with fruit floating above the revelers. The youthful figure in the center fondles the female lutist while others look on or hold beakers.

The twenty-eighth maqama describes an episode in the Great Mosque of Samarkand in which Abu Zayd delivers a sermon (fig. 7). The illustration for this story is one of the most elaborate in the manuscript and represents the interior of a domed building with columns separating the aisles. A mosque lamp and large lantern with seven receptacles for candles hang from the ceiling. Abu Zayd sits in the minbar (pulpit) on the left, attired in black with a black banner next to him, symbolic of the Abbasid caliphate. The congregation of nine figures portrays various races and ages, including a negro, beardless youths, black-bearded middle-aged men, and white-bearded elders. In front of the minbar is a metal box that most likely contains the Koran (see no. 25).

In the illustration of the forty-sixth maqama (fig. 8), Abu Zayd, depicted throughout the manuscript as an elderly man with a white beard, is shown lecturing to a group of ten students in Homs. The setting is indicated by an archway, floral rug, and writing tablet suspended over the group. The hero sits on the right, waving a stick while the students listen intently, some holding their tablets, one taking notes.

The Vienna manuscript is among the last illustrated copies of the Maqamat produced in the Mamluk world. Unlike the Automata and the Kalila wa Dimna, whose illustrations could be understood without reading the text, the paintings of the Maqamat becomes meaningless if the linguistic nuances of the stories cannot be appreciated. The text requires a highly educated and literary audience that can comprehend and thus be amused by its language and verbal gymnastics. Therefore, it is not surprising that the Maqamat had a limited reception among the Mamluks whose native tongue was Turkish. Since the paintings could not convey the essential character of the stories or stand on their own as pictorial commentaries, illustrated versions of the Maqamat ceased to be produced in the Mamluk court after the 1330s.

Published Holter 1937, pp. 15–35. Haldane 1978, pp. 100–103 (with bibliography).

Notes

- The undated copy is in Paris. Bibliothèque Nationale, Arabe 3929 (Holter 1937a, no. 18; Buchthal 1940, no. 18; Ettinghausen 1962, p. 82). The manuscript dated 1222 is in the same collection.
 Arabe 6094 (Holter 1937a, no. 25; Buchthal 1940, no. 25; Ettinghausen 1962, p. 79; James 1976, fig. 4).
- A copy dated circa 1225–35 is in Leningrad, Academy of Sciences, s 23 (Holter 1937a, no. 32;
 Buchthal 1940, no. 32; Ettinghausen 1962, pp. 106–8 and 111–13; James 1976, figs. 9–11 and 13).
 The other, completed in 1237, is in Paris, Bibliothèque Nationale, Arabe 5847 (Holter 1937a, no. 31; Buchthal 1940, no. 31; Ettinghausen 1962, pp. 114, 116–19, and 121-22; James 1976, figs. 7–8 and 12).
- 3. İstanbul, Süleymaniye Library, Esad Efendi 2916 (Grabar 1963).
- 4. London, British Library, Or, 1200 (Holter 1937a, no. 34; Buchthal 1940, no. 34).

III

Kalila wa Dimna of Ibn al-Muqaffa Copied by Muhammad ibn Ahmad ibn Safi ibn Qasim ibn Abd al-Rahman al-Sufi. May 19. 1354

Height: $36.5 \text{ cm.} (14\frac{3}{8} \text{ in.})$ Width: $25.0 \text{ cm.} (9\frac{7}{8} \text{ in.})$

Written in naskhi script: 15 lines, 152 folios.

77 paintings

Oxford, Bodleian Library, Pococke 400

Fig. 9. Burzoe Traveling to India (fol. 12b) Fig. 10. Slaying of the Camel (fol. 60a) Fig. 11. The Tortoise and the Geese (fol. 61b) Fig. 12. The King of the Elephants and the Hare (fol. 99a) Few books in the ancient world were as widely read and circulated as the collection of fables called the *Kalila wa Dimna*, named after the two jackals who are the protagonists of the stories. The work, taken from tales in two Indian epics, the *Panchatantra* and the *Mahabharata*, is thought to have been written by a Brahman named Bidpai around the year 300. It was translated from Sanskrit into Pahlavi (Middle Persian) and Syriac in the sixth century. The Pahlavi version, which is now lost, was rendered into Arabic by Abdallah ibn al-Muqaffa around 750 and became the source for subsequent translations into many Eastern and Western languages.

The earliest illustrated version of Ibn al-Muqaffa's work was made in the first quarter of the thirteenth century.\(^1\) One of the later manuscripts produced in the Mamluk period was transcribed by Muhammad ibn Ahmad ibn Safi ibn Qasim ibn Abd al-Rahman al-Sufi, known as

Ibn al-Ghazuli, on Monday, the twenty-fifth day of Rabii II, 755 (May 19, 1354). The opening folios of this copy are missing. The text begins with a description of the mission of Burzoe who was sent to India by the Sasanian king Khosrau Nushirvan to obtain the Kalila wa Dimna. This is followed by the introduction of Ibn al-Muqaffa, who translated the Pahlavi version into Arabic. Burzoe's biography, and thirteen chapters devoted to fables, which teach moral behavior and good conduct to rulers.

The paintings in this copy are carefully made. They follow the text closely and illustrate all major episodes. One of the scenes (fig. 9) represents Burzoe traveling to India, accompanied by two men. The Sasanian official is attired in Arab dress and wears a white turban with a gold robe. The figures ride in a landscape suggested by two large flowering trees and a ground line of green grass.



Chapter three, entitled "The Lion and the Ox." is the longest in the book and is devoted to stories on friendship, mistrust, and treachery. One of the fables describes a fight between a lion and an elephant. The lion, badly wounded by the elephant, can not hunt for prey and provide his friends with food. His friends—the crow, the wolf, and the jackal—resort to treachery and trick the camel into offering itself as food, upon which they devour the poor animal (fig. 10). These paintings, set against a simple background, represent the animals in naturalistic poses while creating dramatic movement.

Another episode in the same chapter narrates the story of the foolish tortoise who would not listen to good advice. When his pond dried out, the geese offered to take him to another watering hole. They told him to bite on a stick, the ends of which they would hold in their mouths while flying (fig. 11). When the villagers saw this

peculiar sight, they started talking. Unable to resist answering them, the tortoise opened his mouth and fell to his death.

The sixth chapter, called "The Owls and the Crows," teaches rulers to never trust an enemy. This advice is illustrated by the story of the hares whose meadow was being trampled by a herd of elephants. One of the cunning hares decides to trick the elephants and stands on a high ground overlooking a pond. He beckons the king of the elephants and states that he was sent by the powerful moon who wants the elephants to leave the meadow. The elephant sees the reflection of the moon in the pond, which starts moving when he wades in (fig. 12). He becomes convinced of the power of the moon, gathers his herd, and departs from the meadow.

Simplified settings with stylized landscape elements and charming portrayals of animals who have distinct personalities enhance the fantastic quality of the fables. Compositions depict essential features of the tales without elaboration or unnecessary details. They are almost graphic illustrations of the stories, expressed with clarity and sensitivity.

The representation of animals in fables and in zoological texts was particularly popular in the middle of the fourteenth century. The paintings produced during this period show a delight in portraying members of the animal kingdom whose wisdom and courage, behavior and usefulness found a great attraction in the Mamluk world.

Published Atıl 1981 (with bibliography).

Notes

1. Paris. Bibliothèque Nationale. Arabe 3465 (Holter 1937a no. 26; Buchthal 1940, no. 26; Ettinghausen 1962, pp. 62–63)





17.

Nihayat al-Su'l wa'l-Umniyya fi Taallum Amal al-Furusiyya of al-Aqsarai

Copied by Umar ibn Abdallah ibn Umar al-Shafii, January 1366

Painted by Ali

Height: 29.0~cm. (11 $\frac{3}{8}$ in.) Width: 20.0~cm. (7 $\frac{7}{8}$ in.)

Written in naskhi script: 19 lines, 319 folios,

19 paintings

Dublin, The Chester Beatty Library, Add. Cat. Ms 1

Fig. 13. Four Knights with Lances Riding around a Pool (fol. 118b)

Fig. 14. Knight Spearing a Bear (fol. 134b)

Fig. 15. Galloping Knight with Sword (fol. 146b) Fig. 16. Knight with Flaming Sword and Shield

(fol. 156b)

The treatise on horsemanship entitled Nihayat al-Su'l wa'l-Umniyya was written by Muhammad ibn Isa ibn Ismail al-Hanafi al-Aqsarai who died in Damascus in 1348. The author had studied military exercises with Nasir al-Din al-Rammah, a pupil of the master Najm al-Din al-Ahdab, and with Izz al-Din Abd al-Aziz al-Rammah, a Bahri Mamluk in the Citadel of Damascus. The work, completed in the second quarter of the fourteenth century, was dedicated to Ala al-Din Asanbay al-Abu Bakri, viceroy of Syria.

Al-Aqsarai's treatise is comprised of twelve talim, lessons, designed for the teaching and practice of horsemanship and warfare in the hippodrome as well as on the battlefield. The chapters include exercises in the use of the bow and arrow, lance, sword, mace, and other weapons; formation of armies, military tactics, and ruses employing fire and smoke; advice on division of booty, Islamic law regarding protection of the enemy, and conclusion of treaties; and various branches of knowledge required by soldiers, such as the practice of

augury and treatment of wounds.

In the fourteenth and fifteenth centuries, this treatise became the most popular book on furusiyya, and many copies were illustrated. The oldest illustrated version was transcribed in Jumada 1, 767 (January 1366) by Umar ibn Abdallah ibn Umar al-Shafii. This manuscript has a frontispiece with the title of the book and the dedication, which was painted over in the fifteenth century by the ex libris of Sultan Jaqmaq (1438–53). Although the name of the original patron is obscured, several words can be detected, including "for the treasury of our master, the high amir . . . al-Aiay al-Maliki al-Ashrafi," indicating that this person was in the service of Shaban II.

It has been suggested that the manuscript was made for either Timurtash al-Alay or Ala al-Din Taybugha al-Alay, treasurer or majordomo of the powerful Yelbugha who was the commander of the army and the most influential amir during the sultanate of Shaban II. Patronage of the work may have been stimulated by the sack of





Alexandria by the Crusaders in 1365, which prompted Yelbugha, to prepare a massive retaliatory attack and build up the army and navy. The spirit of jihad, holy war, permeating in 1366 must have spurred the interest in furusiyya manuals and hence the first illustrations of al-Agsarai's work.

One of the chapters in lesson two-which is devoted to the use of the lance—describes advancing, retreating, and encircling. The illustration represents four horsemen bearing lances over their shoulders riding around the hippodrome pool in a clockwise direction (fig. 13). The youthful knights wear turbans, boots, and moiré-patterned coats over robes. A border of grass and plants encloses the square pool with its stylized waves rendered in an interlace.

The same lesson includes instructions on the use of the lance against wild animals, which is represented by a figure on a black horse spearing a bear (fig. 14). The warrior, attired in a similar fashion as the previous figures, wears over a moiré robe a coat decorated with large lotuses. A mace is tucked into his saddle, which has a floral saddlecloth.

A galloping rider brandishing a sword illustrates the section in lesson three describing the use of the sword (fig. 15). The text states that the rider's sleeves are pushed back and that he rises out of his saddle as he strikes with his sword.

This lesson also instructs the horsemen on how to use fire as well as the sword and shield. A warrior wearing a helmet carries a sword and shield while riding a black horse with a red and gold saddlecloth (fig. 16). His helmet, sword, and shield have been ignited. The figure appears older than the other riders and has a black mustache and beard.

The paintings in this manuscript appear only in the beginning of the text and illustrate lessons related to the use of the lance and sword. One of these scenes (fol. 149a) bears the name of the painter, Ali, written on the mace attached to the saddle.2 Ali was most likely responsible for all the paintings used as prototypes for later copies of al-Aqsarai's manuals.3

Other Mamluk furusiyya texts produced in the second half of the fifteenth century draw upon a different representational style and are profusely illustrated with different exercises, types of weapons, military maneuvers, and ceremonies.4

James 1974a. Haldane 1978, pp. 48–49 (with bibliography)

1. James 1974a, pp. 84-86.

- 2. James 1974a, p. 80 and fig. 12. 3. See, for example, London, British Library, Add. 18866, dated 1371 (Smith 1979); and Istanbul, Topkapı Palace Museum. A. 2651, dated 1373 (James 1974a, figs. 3 and 8; Haldane 1978
- 4. These expanded versions include the manuscript dispersed between London, Keir Collection, and Cairo, Museum of Islamic Art (Mostafa 1958, p. 39; Mostafa 1970–71, pls. 23, 25, 27, 29, 31, 33, 35, and 37; Grube 1976a, 11.7–37, pls. 4 and 12; Haldane 1978, pp. 72–73); and the copy dated 1466 in Istanbul, Topkapi Palace Museum, r. 1933 (Karatay 1962–69, no. 7416; Mostafa 1970–71, pls. 24, 26, 28, 30, 32, 34, 36, 38. and 41-44).





17

Shahnama of Firdausi

Translated into Turkish by Sharif and copied by Husein ibn Hasan ibn Muhammad al-Huseini al-Hanafi in Cairo, March 2, 1511

Height: 41.0 cm. (161 in.)

Width: 25.0 cm. (9% in.)

Written in naskhi script: 25 lines, 1170 folios in

2 volumes, 62 paintings

Istanbul, Topkapı Palace Museum, н. 1519

Fig. 17. Enthronement of Jamshid (fol. 22b) Fig. 18. Zal Climbing the Wall to Reach Rudaba (fol. 115a)

Fig. 19. Rustam Killing the Elephant (fol. 146a) Fig. 20. Enthronement of Kaigubad (fol. 188a)

The Shahnama, a history of Iran composed by Firdausi of Tus around the year 1000 and dedicated to Sultan Mahmud of Ghazna, is the most celebrated epic in Persian literature and was illustrated throughout Islamic history. This voluminous work was translated into Turkish at the court of the last Mamluk sultan, Qansuh al-Ghuri, by Sharif. The manuscript was transcribed by Husein ibn Hasan ibn Muhammad al-Huseini al-Hanafi and illustrated by artists who followed the late-fifteenth-century style associated with the Turkman courts at Baghdad and Shiraz and at the same time incorporated local elements.

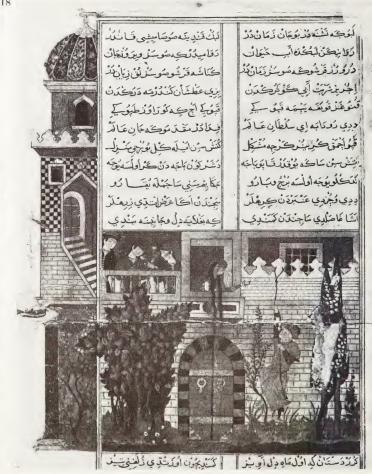
Sharif's Turkish version, which is rendered in verse, begins with a praise of Sultan Qansuh al-Ghuri and describes his interest in scientific and literary books. The author writes that the sultan, who knew Persian well, had many copies of the Shahnama in his library and wanted the text translated so that others could read and understand it. The sultan insisted that Sharif

undertake the translation and create a work that would eternalize the translator's name.

Volume one, which contains 616 folios concludes with a notation stating that this part was finished in the Qubbat al-Huseini on the first night of Shaban 913 (December 6, 1507). The text of the Shahnama terminates on folio 1152 of the second volume; it is followed by a discussion of important sultans, beginning with Mahmud of Ghazna (fols. 1152-60). Then the author describes the court of Qansuh al-Ghuri, the palaces, madrasas, and fountains built by the sultan and concludes by saying that the work was begun during the first year of Qansuh al-Ghuri's sultanate and finished in ten years, on Monday, the second day of Zu'l-Hijja 916 (March 2, 1511) in al-Muayyad Mosque built by Sultan Shaykh.

One of the first paintings in the manuscript represents Jamshid seated on a gold throne, attended by his silahdar (sword-bearer); a saqi (cup-bearer) pours wine in the foreground and two





courtiers with a lutist appear on the left (fig. 17). Although the composition and figure types follow Turkman traditions, the artist has inserted several local elements, such as the oblong panel inscribed with typical Mamluk benedictions and a round shield with an epigraphic blazon on the wall in the background and a blue-and-white goblet in the foreground. The tree behind the wall is rendered in a painterly manner, one of the characteristics of the painters of the Shahnama.

A local structure with inlaid marble panels, trefoil crenelations, and a two-story pavilion with a ribbed dome forms the background for the scene representing Zal climbing the wall to reach his beloved Rudaba (fig. 18). This painting, one of the most beautifully executed examples in the manuscript, transgresses the frame with the pavilion placed outside the left margin.

The female figures, their attires and gestures, as well as Zal's portrayal, rely on Turkman models, but the setting was inspired by contemporary

Mamluk architecture. The trees on the lower left are executed in the same painterly manner as those in the first scene; here a tree bears oval fruit. which may depict mangoes native to Egypt.

In the scene representing young Rustam killing a mad elephant with a single blow (fig. 19), Rustam, who wears a white nightshirt, swings his ox-headed mace and strikes the head of an enormous elephant, which keels under the blow. The famous feat is observed by a group of male and female figures from a chamber surmounted by a ribbed dome jutting out of the picture frame on the left. The artist has depicted a fifteenth-century Mamluk bedroom with original furnishings: a platform bed on four legs with headboard is supplied with two pillows and a quilt encased in a white sheet. The bulky knotted curtain hanging over the bed reveals an understanding of mass and volume unique to this painter. The painter has taken certain liberties and rendered the elephant gray,

although the text specifies a white animal.

A similar interest in portraying local settings and furnishings occurs in the scene depicting the enthronement of Kaiqubad who sits on a gold sphinx throne under a domed baldachin raised by three steps from the floor (fig. 20). The arch embellished with arabesques and the carved wood doors in the background are taken from fifteenth-century Mamluk buildings.

In their depiction of local settings and traditional furnishings, the artists of the *Shahnama* reveal the enthusiasm of newcomers. The incorporation of these native elements enables us to reconstruct the life of the Mamluk court in the beginning of the sixteenth century.

Published Atasoy 1968. Atasoy 1969. Mostafa 1970-71, pls. 20-22.

ر نْدَنْ جُوشُه كَلْدِي طُرْدِي دُرْجَال كِوايِن مِتَدِيلَة فِي لَمَا لَمُ يتكايك قابسن كيلتاكوك دي اَيِنَهُ كُرُ نِهِ إِلْدِي يُكْرُدِي دِدِي قَا بِوَاجِكُ طَيْثُ رَاجِفًا يُمْ مَه فِيلُرْخُلْقُه بُونِيلَى بَعْدَ عِمْدَ ٱلنَّدُ نُ حُزِلِكُونِ تُأْحِبُ دُرُنُ إِيلَا دِدِ بِلَرْبِهُ لُوَانُ دِيوَانَهُ دُرُفِيلُ عِلاَجُ أَيْلَادِي رُسْتَمْلُهُ فَهَ لُولُــ فَبُواجْمَاغُه دَرْبَانَ ورُمِدِي رُولْ هَمَانُومَ خِنْمُ إِذَرُورٌ بَانِرَ رُسُنَمُ بَشِينَه وُرْدِي يُرُوغيلُه مَحْكُمٌ يفلدي اوُل اَرُادَه فَلْدي دَرُ مَا نُ وِرُنْجَانُ جُو نِٰكُهُ ٱلْدَقْ كِتَدِّى خُرْمَانُ كُرُدُاوُلُ أَنْ فِيلِي لِمُرْمِنْ الْوَلْدُمُ تَبُولِ لِحَبْدِي طَشْرَا حِقْدِي مِسْتَمُ خُرُوسِنْدَن يَجُه نَفْنَ اوُكُرُجُاكُ دِ شِينِي سِينَ وُ رُوبَنُ بِرَرْحَاكِ كُرِيحَكُ دُسُمَ أَيِي نَعَبُ رَحِ وَرُدِي كُنُورُبْ كُرْزِي أَكَدُهُ قَرَيْنُو وَرُدِي كرُبُ الْحُلْدُ دُسْتَمِي فَكُثُرِ سُنُو يُسُولِ غُبَادِي دُسْنَهُكُ بَاشِنْ بُرِيدِى احكون خريك ويكه تا اين أك



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APPENDIX

NAMES OF ARTISTS

Calligraphers
Abu'l-Fadail ibn Abu Ishaq: no. II. figs. 5–8
Ahmad ibn Muhammad: no. 3
Ali ibn Muhammad: no. 6
Farrukh ibn Abd al-Latif: no. 1, figs. 1–4
Husein ibn Hasan: no. v, figs. 17–20
Muhammad ibn Ahmad: no. III. figs. 9–12
Qanem al-Sharifi: no. 9
Umar ibn Abdallah: no. Iv, figs. 13–16

Illuminators
Ibrahim al-Amidi: no. 6

Metalworkers
Ahmad ibn Husein al-Mawsili: no. 22
Mahmud ibn Sunqur: no. 13
Muhammad ibn Ali al-Hamawi: no. 36
Muhammad ibn al-Zayn: nos. 20–21
Muhammad ibn Hasan al-Mawsili: no. 10

Painters
Ali: no. IV. figs. 13-16

Potters Al-Mufid: no. 97 Sharaf al-Abawani: no. 95

NAMES OF PATRONS

Sultans
Mamluk
Barsbay: nos. 7–8, 41
Hasan: nos. 31, 52
Nasir al-Din Muhammad: no. 26
Qaitbay: nos. 9, 34–35, 105, 112
Qansuh al-Ghuri: nos. 101, 110
Shaban II: nos. 5–6, 33
Tumanbay I: no. 42

Rasulid
Dawud: nos. 22, 50
Yusuf: no. 14

Amirs
Arghun Shah: no. 4
Badr al-Din Baysari: no. 11
Kitbugha: nos. 15-16
Qushtimur: no. 27
Tabtaq: no. 28
Tarabay: no. 43

Others
Karim al-Din: no. 53
al-Wathiq bi'l-Mulk al-Wali: no. 36

DATED PIECES

1269 Candlestick: no. 10 Pen box: no. 13 1281 1304 5 Pen box: no. 23 1315 Automata: no. 1. figs. 1-4 1334 Koran: no. 3 1334 Magamat: no. 11, figs. 5-8 Kalila wa Dimna: no. 111. figs. 9-12 1354 1363-64 Key: no. 33 1366 Nihayat al-Su'l: no. IV. figs. 13-16 1369 Koran: no. 5 1372 Koran: no. 6 1425 Koran: nos. 7-8 1482-83 Candlestick: no. 34 1511 Shahnama: no. v. figs. 17-20

HERALDIC SYMBOLS

Royal Emblems
Mamluks
Crescent: nos. 47, 114-15
Eagle: nos. 11-12, 27, 96
Epigraphic blazon: nos. 9, 26, 29-31, 34-35, 52, 101, 110
Lion: nos. 46, 108
Rosette. six-petaled: nos. 12, 17, 27-28, 93, 96
Ayyubids of Hama

Bends in lower half of shield: nos. 24, 46 Rasulids of Yemen Rosette, five-petaled: nos. 14, 22, 50

Signs of Office Composite: nos. 39, 124 Cup: nos. 15-16, 27-28, 96, 109, 125

Napkin: no. 93 Sword: no. 94 Table: no. 115 Trumpet: no. 95

Other
Ewer: no. 88
Quiver: no. 90
Spike fiddle: no. 91
Tamgha: no. 83

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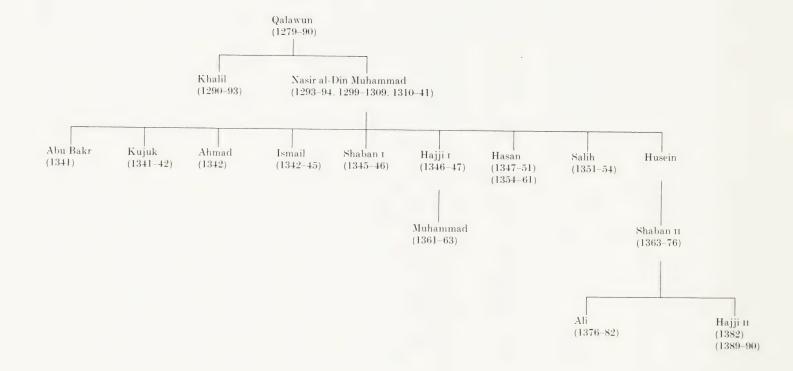
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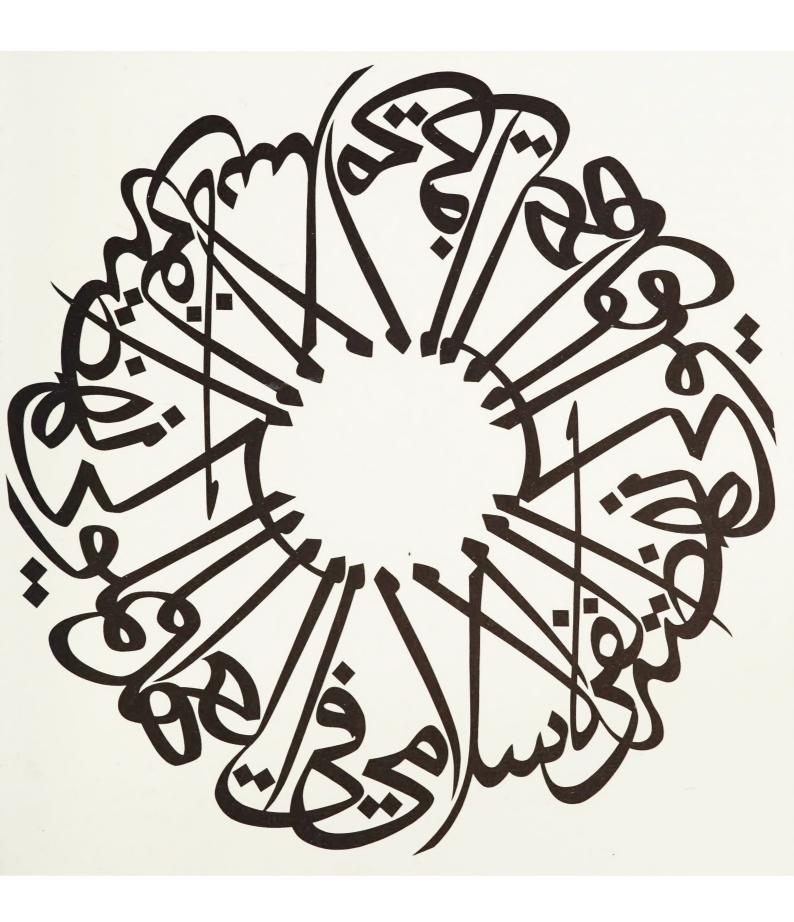
Bahri Period (12)	50-1390 i
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1250	Shajar al-Durr
1250 - 57	Aybak (al-Muizz Izz al-Din)
1257 - 59	Ali (al-Mansur Nur al-Din)
1259 - 60	Qutuz (al-Muzaffar Sayf al-Din)
1260 - 77	Baybars 1, al-Bunduqdari (al-Zahir
	Rukn al-Din)
1277 - 79	Baraka Khan (al-Said Nasir al-Din)
1279	Salamish (al-Adil Badr al-Din)
1279-90	Qalawun, al-Alfi (al-Mansur Sayf
	al-Din)
1290-93	Khalil (al-Ashraf Salah al-Din)
1293-94	Nasir al-Din Muhammad (al-Nasir).
	first reign
1294-96	Kitbugha (al-Adil Zayn al-Din)
1296-99	Lajin (al-Mansur Husam al-Din)
1299-1309	Nasir al-Din Muhammad (al-Nasir).
	second reign
1309-10	Baybars 11. al-Jashnigir (al-Muzaffar
	Rukn al-Din)
1310-41	Nasir al-Din Muhammad (al-Nasir).
	third reign
1341	Abu Bakr (al-Mansur Savf al-Din)
1341 - 42	Kujuk (al-Ashraf Ala al-Din)
1342	Ahmad (al-Nasir Shihab al-Din)
1342-45	Ismail (al-Salih Imad al-Din)
1345-46	Shaban I (al-Kamil Sayf al-Din)
1346-47	Hajji I (al-Muzaffar Sayf al-Din)
1347-51	Hasan (al-Nasir Nasir al-Din), first
	reign
1351-54	Salih (al-Salih Salah al-Din)
1354 - 61	Hasan (al-Nasir Nasir al-Din), second
	reign
1361-63	Muhammad (al-Mansur Salah al-Din)
1363-76	Shaban II (al-Ashraf Nasir al-Din)
1376-82	Ali (al-Mansur Ala al-Din)
1382	Hajji II (al-Salih Salah al-Din), first
	reign
1382-89	Barquq (al-Zahir Sayf al-Din), Burji
	Mamluk
1389-90	Hajji II (al-Muzaffar al-Salih Salah
	al-Din), second reign
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Burji Period (1382-1517)

1382-89	Barquq (al-Zahir Sayf al-Din), first reign
1389 -90	Hajji II (al-Muzaffar al-Salih Salah al-Din), Bahri Mamluk
1390-99	Barquq (al-Zahir Sayf al-Din), secon reign
1399-1405	Faraj (al-Nasir Nasir al-Din), first reign
1405-6	Abd al-Aziz (al-Mansur Izz al-Din)
1406-12	Faraj (al-Nasir Nasir al-Din), second reign
1412	al-Mustain (al-Adil), Abbasid Caliph
1412-21	Shaykh (al-Muayyad Sayf al-Din)
1421	Ahmad (al-Muzaffar)
1421	Tatar (al-Zahir Sayf al-Din)
1421-22	Muhammad (al-Salih Nasir al-Din)
1422-38	Barsbay (al-Ashraf Sayf al-Din)
1438	Yusuf (al-Aziz Jamal al-Din)
1438-53	Jaqmaq (al-Zahir Sayf al-Din)
1453	Uthman (al-Mansur Fakhr al-Din)
1453-61	Inal (al-Ashraf Sayf al-Din)
1461	Ahmad (al-Muayyad Shihab al-Din)
1461-67	Khushqadam (al-Zahir Sayf al-Din)
1467	Bilbay (al-Zahir Sayf al-Din)
1467-68	Timurbugha (al-Zahir)
1468-96	Qaitbay (al-Ashraf Sayf al-Din)
1496 - 98	Muhammad (al-Nasir)
1498-1500	Qansuh (al-Zahir)
1500-1501	Janbalat (al-Ashraf)
1501	Tumanbay 1 (al-Adil Sayf al-Din)
1501-16	Qansuh al-Ghuri (al-Ashraf)
1516-17	Tumanbay 11 (al-Ashraf)





About the Author

Esin Atıl, a native of Turkey, received a Ph.D. degree from the University of Michigan, Ann Arbor. Since 1970, Dr. Atıl has been curator of Near Eastern art at the Smithsonian Institution's Freer Gallery of Art in Washington, D.C. She has prepared several noteworthy exhibitions and catalogues, including 2500 Years of Persian Art (1971), Ceramics from the World of Islam (1973), Turkish Art of the Ottoman Period (1973), Art of the Arab World (1975), and The Brush of the Masters: Drawings from Iran and India (1978). Her most recent publications include the comprehensive Turkish Art (1980) and the charming yet instructive Kalila wa Dimna: Fables from a Fourteenth-Century Arabic Manuscript. Dr. Atıl is a member of the editorial board of Ars Orientalis and Muqarnas.

